

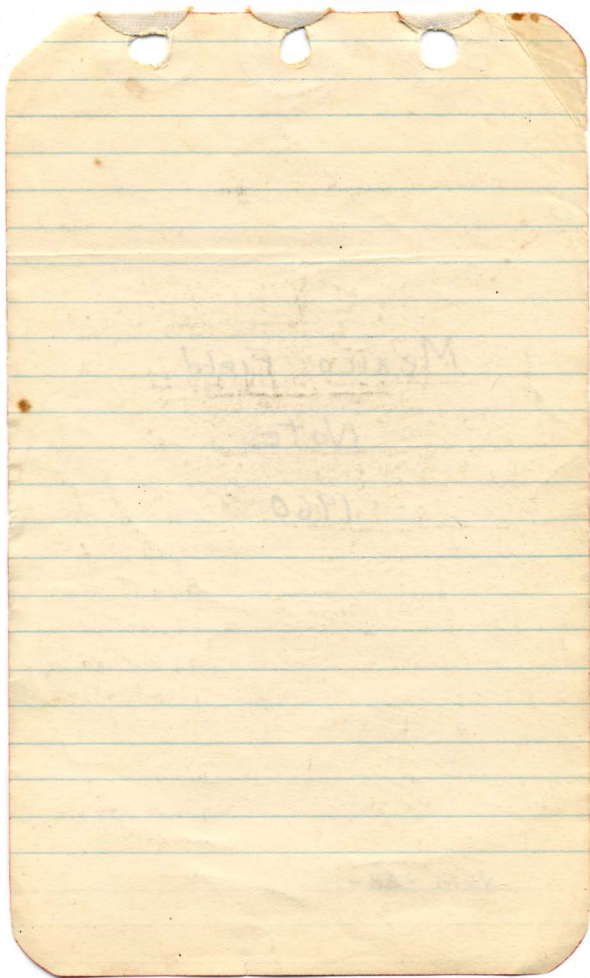
**Robert F. Andrle**  
**Field Notes**  
**1960 Mexico Trip**

Mexico Field

Notes

1960

VSM - 58 -



## Mexican Trip

March 1, 1960 Tues. Buffalo, N. Y. to Delaware, Ohio

cold, snow flurries, partly cloudy  
wind SW 0-5 mph., some haze, mist  
roads mostly clear

Horned Larks - scattered	- Tree Sparrows
Snow Buntings - small flock	
1 Hairy Woodpecker	Red-tailed H. 3
3 Robins - 1st near Conneaut	Red-sh. H. 1
Crows - scattered	Meadowlark 1
Sparrow Hawks 3-5	Cardinal 2
Starlings - scattered	- House Sparrows

March 2, 1960 Wed 20°-30°+ Delaware, Ohio to Guthrie, Ky.  
snow & snow flurries, slush & icy  
snow on some roads

Black Vultures 16	- Goshen, Ky
3 Mockingbird (1)	(15 mi. NE Louisville)
Robins - several	
E. Meadowlark - 15-20	Bluebird 1

later in day - snow, slush, poor

trucks jammed on hills  
driving conditions (also due to  
inexperience of other drivers.)

1 Rough-legged Hawk

104 Mourning Dove

Three Sparrows

1 pr. 1 P. Titmouse

Cardinal several

5 Red-w. Bl.

Horned Larks 30

3 Coopers Hawks (1 pr.)

1 Downy Woodpecker

95 E. Gr. Junco

5 Red-t. Hawk

1 Killdeer

Sparrow Hawk

Starlings

House Sparrows

3 Grackles

Marsh Hawk 1

Turkey Vulture 1

1 Red-e. Towhee

1 Loggerhead Shrike

Crow 125

Blue Jay 2

March 3, 1960 Thine Gutter, Ky. to

London 26°+ ice on vegetation

snow piled road slippery

trucks stalled, cars off highway

15 mi. north Vicksburg - just Sparrows

(aggressive)

ice disappeared about Cleveland, Miss.

2 Horned Grebes - Ky. Lake

birds most numerous and fairly  
well scattered after Paris, Tenn.

8 Mallard (Ky. Lake)	Black Duck 15
16 Goshawk	Am. Widgeon 6
10 Pintail	Shoveler 3
1 Redhead	Ring-necked Duck 2
1 Lake Wren	Col. Golden-eye 2
1 Hooded Merganser	Turkey Vulture 1
1 Black V.	Red-b. Hawk 6
3 Red-sh. Hawk	Marsh Hawk 4
15 Sparrow Hawk	Killdeer 7
9 Herring Gull	1000 Ring-b. Gull
70 Mourning Dove	Robin 100
3 Flicker	Red-b. White 1
20 Horned Lark	Blue Jay 10
35 Crow	1+ Carolina Wren
20 Mockingbird	20 Loggerhead Shrike
Starling (sev. thousands)	
100+ House Sparrow	90 E. Meadowlark
+100 Red-w. Bl. bird	2 Rusty Blackbird
→ C. Grackle 12500	Br. Ch. G. bird
55 Cardinal	Am. Goldfinch 9+
15 Red-e. Towhee	10+ Sl. Bl. Junco
6+ Song Sparrow	1 Short-e. Owl

March 4, 1960 Friday

Vicksburg, Miss.  
to Houston, Tex.

clear, fair temp -  $30^{\circ} \rightarrow 50^{\circ}$   
first wind NW 5-8 mph  
thru cypress swamps, pinelands,  
ice still over + edging ponds +  
ditches. - <sup>to beyond Alexandria</sup> many Cardinals,  
Shrikes, Grackles, Redwings.  
first palmettos - Alexandria, La.  
planted palms

2 Great Blue Heron	3 B. Kingfisher
4 Comm. Egret	8 Flicker
15 T. Vulture	7 Red-w. Wdg. phs.
10 B. Vulture	1 Hair Woodg.
9 Red-t. Hawk	1 P. Koel
6 Red-s. Hawk	1 Purple Martin
20 Marsh Hawk	3 Tree Swallows?
30 Sparrow Hawk	25 Blue Jay
10 Wild Deer	50 Crow <sup>also</sup> <del>also</del> <sup>also</sup>
50 Ring-b. Gull	2 Carolina Chickadee
50 Mourning Dove	8 T. Titmouse
1 dead Barred Owl DOR	2 Brown-h. Nuthatch
1 dead Sh. e. Owl DOR	8 Carolina Wren

3

35 Mockingbird	6 Purple Finch
5 Brown Thrasher	30 A. Goldfinch
20 Robin	10 R.-e. Towhee
1 Hermit Thr.	5 Lark Sparrow
20 E. Bluebird	20 mi. S. of Houston, Tex.
2 G.-cr. Kinglet	35 Wh.-thr. Sp.
2 R.-cr. Kinglet	
175 Logg. Shrike (actual count)	sev. dead Opossums, Raccoons
2000 Starling	
1 Sol. Vireo	
15 Myrtle W.	Fox Squirrel
1+ Palm Warbler	in various places
4 Pine Warbler	
300 House Sparrow	
150 E. Meadowlark	
4000 Red-w. Bell.	
70+ Post-t. Grackle	
28,000 Com. Grackle	
2000 Br.-h. Cowbird	
55 Brewer's Blb.	
120 Cardinal (actual count)	

March 5, 1960 Sat. Houston, Tex.  
to Harlingen

45°-60° cloudy Wind 5-8 mph NE

occasional drizzle (Pt. 35)

much road + bridge construction  
more clearing for farms - destruction  
of native vegetation.

Live oak woods, mesquite.

1 Coyote - 15 mi. NE Port Laredo, Tex.

among cows

2 Com. Loon	375 Canada Geese
4 Eared Grebe	170 Snow Goose
4 Pied-b. Grebe	25 Blue Goose
1 Least Grebe	15 mi. NNE Rockport Rt. 35
6 White Pelican	10 Mottled Ducks
1 Brown Pelican	10 Gadwall
25 Olivaceous Cormorant	200 A. Wigeon
35 Great Blue Heron	100 Pintail
10 Com. Egret	7 Bl.-w. Teal
3 Snowy Egret	100 Gr.-w. Teal
1 Reddish Egret	6 Cinnamon Teal
3 Louisiana Heron	80 Shoveler
50 Glossy Ibis	

25 Redhead	1 Sol. Sandpiper
15 Ring-n. Duck	3 Willet
1 Gtr. Scaup	10 Gtr. Yellowlegs
400 Tr. Scaup	9 Tr. Yellowlegs
4 A. Golden-eye	3 Least Sandp.
2 Ruddy Duck	20 L.-b. Dowitcher
3907. Vulture	150 Western S.
20 B. Vulture	6 Marbled Godwit
4 Red-t. Hawk	
1 Red-a. Hawk	50 Herring Gull
5 Harris' Hawk	150 Ring-b. Gull
5 S. Wh.-t. Hawk	25 Laughing Gull
60 Marsh H.	4 Forster's Tern
54 Sparrow Hawk	
51 Wild Turkey	on crossbars
40 Am. Coot	on 40' high tennis poles
5 Song. Plover	25-30 mi. N of
30 Killdeer	Raymondville (at
7 Bl.-b. Plover	ducks (roosting)
1 R. Turnstone	(max. 6 on one pole)
3 C. Snipe	(King Ranch)
10 L.-b. Curlew	also 13 on wires!
	1 Royal Tern
	12 Cassin Tern
	80 Mour. Dove

1 Ground Dove	1200 Brewer's Blbd.
2 Inca Dove	Boat-t. Grackle
1 Gr. H. Owl	300 C. Grackle
2 Parakeet	1500 Br.-h. Cowbird
9 B. Kingfisher	3 Cardinal
1 Pileated Wdgr.	8 A. Goldfinch
1 E. Phoebe	3 Savannah Sp.
4 Horned Lark	25 Lark Sparrow
4 Tree Swallow	1 Chipping Sparrow
4 P. Martin	
1 Blue Jay	
15 Crow sp.	
30 Mockingbird	
75 Water Pigeon	
70 Fog. Shrike	
1200 Starling	
12 Myrtle W.	
300 House Sparrow	
130 E. Meadowlark	
1 W. Meadowlark	
2500 Red-w. Blb.	

5

March 6, 1960 Sun.

Harlingen, Tex.

warm, humid, mostly cloudy

to Laguna Atascas  
calm

62° A, showers

to SW 5-15

2 Eared Grebe

170,000 Redhead

4 Pied-b. Grebe

125 Canvasback

9 White Pelican

15 For. Scap

15 Olivaceous Corm.

2 Bufflehead

50 Gr. Blue Heron

175 Ruddy Duck

10 Com. Egret

6 Red-b. Merg.

60 Reddish Egret

white phase in Laguna Atascas

7 Louisiana Heron

20 T. Vulture

2 Little Blue Heron

30 B. Vulture

150 White-g. Goose

1 Sharp-sh. Hawk

60 Snow Goose

1 White-t. Hawk

10 Blue Goose

14 Harris Hawk

15 Mottled Duck

8 Marsh Hawk

3 Gadwall

1 Aud. C. Caracara

10 Am. Widgeon

20 Sparrow Hawk

20 Pintail

21 Bobwhite 5 grps.

6 Gr.-w. Teal

49 Sandhill Crane

1 Bl.-w. Teal

300 A. Coot

4 Shoveler

5 Snowy Plover

1 Sarnia. Plover

14 Killdeer

55 Bl.-b. Plover

1 Ruddy Turnstone

80 Long-b. Curlew

1 Spotted Sandp.

15 Willet

10 Gr. Yellowlegs

2 Lr. Yellowlegs

4 Pectoral Sandp.

12 Least Sandp.

9 Dunlin

40 L.-b. Dowitcher

75 Western Sandp.

1 Marbled Godwit

3 Sanderling

16 Avocet

3<sup>+</sup> Herring Gull

20 Ring-b. Gull

9 Laughing Gull

15 Gull-b. Tern

5 Forster's Tern

2 Royal Tern

15 Caspian Tern

25 Mourning Dove

3 Ground Dove

4 Inca Dove

3 Road-runner

12 Golden-c. Kinglet

2 Ladder-b. Warbler

1 E. Phoebe

1 Tree Swallow

3 Green Jay

5 Cactus Wren

90 Mockingbird

12 Curve-b. Thrasher

10 Robin

1 Bl.-gr. Gnatcatcher

15 Water Pipit

juv. 1 Sprague's Pipit

45 Loggerhead Shrike

2 Wh.-e. Vireo

2 Orange-cr. Warbler

30 Myrtle Warbler

1 Coyote in traps (front foot)

6 on "refuge", took photos

1 Yellowthroat

60 House Sparrow

70 C. Meadowlark

35 Brewer's Blb.

200 Boat-t. Grackle

2 Cardinal

2 ♀ Pyrrhuloxia

32 Lark Bunting

30 Savannah sp.

1 Vesper Sparrow

Mon.

March 7, 1960

62°

Harlingen

cloudy, mild N 3 mph. to  
cultivation <sup>later SE 15 mph.</sup> Matamoros  
palms. + south  
30 mi. to Brownsville to C. Victoria

cultivated around Matamoros <sup>thatched</sup>  
then wild country - <sup>roofs</sup> mesquite

huesaco, <sup>tall</sup> yucca, <sup>rolling</sup> agave, hills, <sup>bridges</sup>

2 Conn. Egret

2 White-t. Kite

1 Snowy Egret

1 White-t. Hawk

10 Black Vulture

1 Gray Hawk

800 T. Vulture <sup>great</sup>

1 Cooper's Hawk

sev. Coyotes

howling +

yipping 4 PM

1+ Clay-col. Sp. - <sup>prob. 10-15</sup> more

4+ Wh. Cr. Sparrow

timed Red-b. Pigeon at 53 mph

1 Red-t. Hawk

1 Swainson's Hawk

30 Bay-winged Hawk

50 Marsh Hawk

2 Crested Caracara

15 Sparrow Hawk

16 Bobwhite

1 Gr. Yellowlegs

1 Long-bi. Curlew

43 Red-bellied Pigeon

15 Mourning Dove

1 B. Kingfisher

2 Golden-Gr. Woodpecker

1 Ladder-b. Wrecker

9 E. Phoebe

28 Vermilion Flyc.

1 Tropical Kingbird

2 White-n. Raven

100 Fish Crow

1 Cactus Wren

3 Curve-bi. Thrasher

45 Mockingbird

1 Am. Robin

18 Cedar Waxwing

15 Loggerhead Shrike

6 Whistle Warbler

40 Brown-h. Cowbird

275 Boat-t. Grackle

1400 Red-w. Bell.

50 Brewer's Bell.

3 E. Meadowlark

2 Cardinal

55 Pyrrhuloxia

45 House Sparrow

45 Am. Goldfinch

1 Lark Bunting

30 Savannah Sp.

1 Vesper Sp.

5 Lark Sp.

2 Cassin's Sp.

6 Bl.-thr. Sp.

1+ Chipping Sp.

7

March 8, 1960

Tues.

C. Victoria

clear, fair 57° ↑

to A. Morelos,

foggy in mts.

El Salto,

hot in lowlands

Valles, SLP

palm forests, mesquite, yucca  
sugar cane, sisal,

1 Olivaceous Cormorant	1 Squirrel Cuckoo
1 Com. Egret	1 Groove-b. Ani
250 Bl. Vulture	5 Golden-gr. W. Flyc.
35 T. Vulture	3 Ladder-bl. W. Flyc.
1 Wh.-t. Kite	3 Masked Titgr.
2 Roadside Hawk	12 E. Phoebe
4 Gray Hawk	15 Vermilion Flyc.
1 Marsh Hawk	30 Tropical Kingl.
18 Cr. Caracara	2 Boat-bl. Flyc.
12 Sp. Hawk	4 Vermil.-cr. Flyc.
6 Plain Chachalaca	2 Gr. Kiskadee
35 Red-b. Pigeon	2 Brown-cr. Flyc.
10 Inca Dove	1 Greater Pewee
9 Ground Dove	30 Rough-w. Swallow
20 Mourning Dove	3 Tree Swallow

200 Fish Crow	1 Br.-h. Cowbird
5 Wh.-n. Raven	375 Boat-t. Grackle
30 Pl.-t. Brn Jay	60 Brewer's Blb.
House Wren sp.	6 Bl.-thr. Oriole
50 Mockingbird	5 Hooded Oriole
5 Robin	6 E. Meadowlark
2 Hermit Thrush	3 Scrub Euphonia
6 Bl.-gr. Gnatcatcher	4 Yellow-thr. Euph.
1 Ruby-cr. Kinglet	5 Cardinal
10 Loggerhead Shr.	35 Pyrrhuloxia
28 Cedar Waxwings	1 Indigo Bunting
1 Bl.-+wh. Warbler	10 Yellow-g. Grosbeak
2 Orange-cr. Warbler	45 Wh.-coll. Seedeater
1 Trop. Parula W.	20 Dark-br. Grosbeak
6 Myrtle W.	2 Olive Sparrow
3 Bl.-thr. Green W.	1 Lark Bunting
1 La. Waterthrush	20 Lark Sparrow
1 Yellowthroat	2 Cassin Sparrow
1 Wilson's Warbler	20 Chipping Sp.
5 House Sp.	1 Clay-cb. Sp.
3 Bronzed Cowbird	2 Y. & W. Sparrow
	1 Lincoln's Sp.

March 9, 1960 Wed. C. Valles  
 68°-71°  
 fair to misty +  
 cloudy in mtns.  
 to fair + clear  
 later.

Xilitla -  
 Tamazunchale -  
 Jacala

4 Least Grebe	8 Inca Dove
3 Pied-b. Grebe	5 C. Ground Dove
2 Ol. Cormorant	1 White-tipped Dove
1 Gr. Blue Heron	6 Red-cr. Parrot
2 Am. Widgeon	4 Red-bird Parrot
1 Bl.-w. Teal	21 mixed parrots
120 Bl. Vulture	1 Squirrel Cuckoo
40 T. Vulture	19 <del>Gr. Dove-cr. and</del>
1 Wh.-t. Hawk	6 White-collared Swift
1 Gray Hawk	13 Fork-tailed Emerald
4 Red-sided Hawk	2 Green Kingfisher
1 Marsh Hawk	3 Blue-cr. Motmot
1 Falcon, Peregr.?	1 Bronze-w. Wren
3 Sparrow Hawk	8 Golden-sp. Wren
3 Pl. Chachalaca	2 Rose-thr. Becard
15 Red-b. Pigeon	3 Masked Tityra
1 Wh.-w. Dove	1 E. Phoebe
	7 Vermilion Flyc.

	2 Trop. Parula W.
20 Tropical Kingbird	1 <sup>+</sup> Audubon's Warbl.
1 Boat-br. Flyc.	1 Bl.-thr. Gr. W.
40 Vermilion Flyc.	4 Wilson's Warbler
4 Gr. Kingbird	1 Yellowthroat
1 Br.-cr. Flyc.	4 Rufous-cap. Warbl.
3 Rough-w. Spar.	10 House Sparrow
35 Bl.-t. Br. Jay	2 Bronzed Cowbird
4 Green Jay	3 Brown-h. Cowbird
1 Gray-br. Jay	75 Boat-t. Grackle
20 Fish Crow	20 Brewer's Blb.
6 Spotted Wren	15 Melodious Blb.
1 House Wren sp?	3 <sup>+</sup> Baltimore Oriole
10 Mockingbird	1 Orchard Oriole
1 <sup>catbird</sup> Am. Robin	8 Bl.-headed Oriole
4 Br.-b. Solitaire	10 <sup>+</sup> Bl.-thr. Oriole
10 Bl.-gr. Gnatcatcher	2 <sup>+</sup> Hooded Oriole
7 Log. Shrike	1 Yellow-thr. Cuckoo
2 Solitary Vireo	25 Bl.-h. Saltator
1 Bl.-t. Warbler	1 Grayish Saltator
4 Nashville W.	7 Cardinal
1 Orange-c. W.	1 Rose-br. Grosbeak

3 Bl.-head. Grosb.  
 15 Indigo Bunting  
 2 Painted Bunting  
 1 Wh.-coll. Seedeater

Chipping Sp. 7

March 10, 1960 Thurs, Jacala, Hgo.

fair, clear - pty. cdy.

desert - pine oak - tropical Pachuca -

6 Least Grebe

to Villahermosa

25 Pied-b. Grebe

2 Parula

2 Lsr. Scamp

1 White-thr. Swift

1 Ruddy Duck

12 wind. hummingb.

250 wind. ducks

5 Golden-gr. Wdgph.

10 Black Vulture

2 Hairy Wdgph.

35 T. Vulture

2 Acorn Wdgph.

7 Sparrow Hawk

1 E. Phoebe

2 Killdeer

2 Say's Phoebe

1 Red-b. Pigeon

30 Vermilion Flyc.

8 Inca Dove

10 Tropical Kingbird

1 Comm. Ground Dove

3 Verm.-cr. Flyc.

6 Mourning Dove

1 Ash-th. Flyc.

20 Ruby-cr. Kinglet

3 Rough-w. Swallow

2 Barn Swallow

20 Tree Swallow

1 Mangrove Sw.

4 Violet-gr. Sw.

2 Wh.-n. Raven

7 Gray-br. Jay

1 Steller Jay

2 Bridled Titmouse

3 Cactus Wren

4 Bewick Wren

1 Br.-thr. Wren

2 Rock Wren

1 Cañon Wren

8 Mockingbird

2 Am. Robin

7 Clay-cr. Robin

1 Brk. Solitaire

2 Phainopepla

10 Logger. Shrike

1 Solitary Vireo

7000'

dry, lush  
desert

1 Bell's Vireo

1 Bl. + Wh. Warbler

3 Orange-cr. Warbler

2 Olive Warbler

12 Myrtle Warbler

2 Townsend's W.

2 Hermit Warbler

1 Palm Warbler

5 <sup>Wilson's Warbler</sup>  
Slate-thr. Redstart

1 Golden-crowned W.

4 Rufous-cr. W.

10 House Sp.

4 Bl.-head. Oriole

4 Hepatic Tan.

2 Blue Grosbeak

8 Bl.-head. Siskin

25 House Finch

2 Red-eyed Towhee

6 Brown Thrush

12 Savannah Sp.

7 Vesper Sp.

20 Yellow-e. Junco | 1 Bl.-chinned Sp.  
 40 Chipping Sp. | 2 Lincoln's Sp.

March 11, 1960 Frid. Ullaguan.  
 57° ↑ 6:30 to

Fair, clear, -hazy. Tezuitlan  
 tropical, showers later - Norte

2 Least Grebe	2 Com. Black Hawk
1 Magn. Frigate-Bird	3 Marsh Hawk
1 Little Blue Heron	21 Sparrow Hawk
2 Com. Egret	25 Am. Coot
3 Snowy Egret	15 Jacana
1 Am. Bittern	3 Ruddy Gs.-Wren
2 Blue-w. Teal	3 White Stopped Dove
10 For. Scamp	9 Green Parakeet
1000 Bl. Vulture	1 Groove-b. Ori
75 T. Vulture	1 owl OR <sup>mottled?</sup> woodcreeper
1 Wh.-t. Kite	30 unid. hummingbird
1 Wh.-t. Hawk	1 unid. ♂ Trogon <sup>red bellied</sup>
1 Roadside Hawk	4 Blue-cr. Motmot
2 Gray Hawk	1 Golden-olive Wbgh.

1 Golden-cr. W. Warbler	1 Myrtle Warbler
1 Masked Titmouse	1 Bl.-thr. Gr. W.
1 E. Phoebe	2 Wilson's W.
1 Scissor-t. Flyc.	5 Golden-cr. Warbler
25 Tropical Kinglet	1 Rufous-cr. W.
25 Verm.-cr. Flyc.	30 House Sp.
3 Gr. Kinglet	60 Brown-h. Cowbird
2 Brown-cr. Flyc.	1000 Boat-t. Grassh.
2 Purple Martin	12 Melodious Blb.
700 Tree Swallow	1 Bl.-thr. Oriole
<sup>many flocks</sup> flying N. in PM	3 Bl.-head. Oriole
1 Green Jay	2+ Red-w. Blb.
30 Bl.-t. Brown Jay	1 E. Meadowlark
5 Spotted-br. Wren	3 Com. Bush-Tanager
1 Mockingbird	20 Bl.-h. Saltator
8 Clay-col. Robin	3 Yellow-g. Grass.
1 Bl. Gr. Gnatc.	5 Wh.-coll. Seedeater
6 Ruby-cr. Kinglet	1 Wh.-naped Bush-Finch
6 Logg. Shrike	1 Collared Towhee
1 Solitary Vireo	1 Lincoln Sparrow

March 12, 1960 Sat.

cloudy, foggy, rain  
Nocte cool

Tezuitlan

To

Jalapa  
7 1/2

2 Oliv. Cormorant

200 Bl. Vulture

15 T. Vulture

2 Roadside Hawk

1 Gray Hawk

31 Sparrow Hawk

2 Gr. Caracara

10 Inca Dove

1 Green Parakeet

12 mid. "

1 Squirrel Cuckoo

500 White-coll. Swift

1 Violet Sabre-wing

20 mid. hummers

2 Golden-f. W. ph.

1 Black Phoebe

10 Tropical Kingbird

2 Boat-bi. Flyc.

12 Verm. cr. Flyc.

25 mi. NW

Veracruz

(Paso de Ovejas)

1 Gr. Kingbird

1 Dusky-c. Flyc.

1 Gtr. Pewee

5 Rough-w. Swallow

4 Horned Lark

17 Brown Jay

2 of which were <sup>white-</sup> ~~gray~~

3 Rufous-neged Wren

2 Spotted-b. Wren

House Wren sp.?

1 Brown-thr. Wren

2 Mockingbird

1 Hermit Thrush

1 Vireo

4 E. Bluebird

15 Herring Gulls	2 Royal Tern
4 Wigeon - <del>Teacal</del> Teacal	1 Caspian Tern
4 Ruby-cr. Kinglet	20 House Sparrow
4 Bl.-gr. Gnatcatcher	2 Brewer Blackbird
3 Long. Shrike	5 Melodious Blb.
2 R.-br. Peewee	3 Bl.-headed Oriole
2 Solitary Vireo	3 Bl.-thr. Oriole
2 Bl. + Wh. Warbler	2 C. Meadowlark
1 Orange-cr. W.	1 Yellow-w. Tanager
1 Nashville W.	3 Bl.-h. Saltator
1 Olive Warbler	8 Blue Grosbeak
2 Yellow Warbler	2 Indigo Bunting
1 Magnolia W.	7 Varied Bunting
1 Myrtle W.	2 House Finch
1 Townsend W.	8 Wh.-coll. Seedeater
1 Bl.-thr. Gr. W.	15 Blue-black Grosbeak
4 Hermit W.	1 Bl.-head. Siskin
1 Yellowthroat	25 Siskin sp.?
1 Yellow-br. Chat	1 R.-cog. Bush-Finch
2 Slate-thr. Redstart	4 Brown Towhee
1 Red Warbler	6 Striped Sparrow
3 Wilson's W.	30+ Yellow-e. Junco
20 Br.-h. Cowbird	2 Chipping Sp.
200 Boat-t. Gr.	3 Lincoln Sp.

12

March 13, 1960

Sun.

Poso de  
Ovejeros  
to Catemaco

cool, cloudy, NE-E wind 5-15

20 Least Grebe	12 Cr. Caracara
5 Pied-b. Grebe	52.5 Garrow Hawks
1 Brown Pelican	1 und. falcon <i>Aplomado?</i>
15 Oliv. Cormorant	2 Com. Bobwhite
7 Mag. Frigate-bird	1 Limpkin
25 Green Heron	5 Com. Gallinule ✓
12 Little Bl. Heron	130 Amer. Jacana
30 Com. Egret	5 Bl.-n. Stilt
40 Snowy Egret	7 Killdeer
1 Cattle Egret	3 Long-bi. Curlew
4 Louisiana Heron	→ 2.4 mi. W of C. Lardo
10 Bl.-cr. N. Heron	3 Lar. Yellowlegs
700 Bl. Vulture	9 Gtr. Yellowlegs
175 T. Vulture	1 Solitary Sandp.
2 Wh.-t. Kite	3 Spotted S.
8 Snail Kite	7 Sanderling
20 Roadside H.	10 Herring Gull
1 Gray Hawk	100 Laughing Gull
1 Bl.-collared H.	18 Gull-b. Tern ✓
1 Laughing Falcon	15 Cassin Tern ✓
	100 Royal Tern

25 Inca Dove	15 Rough-w. Swallow
5 C. Ground Dove	40 Tree Swallow
2 R. " "	1 Mangrove Sw.
3 Wh.-tip. Dove	Pl. H. Brown Jay 25
25 Green-b. Ori.	
1 Lesser Nighthawk	- Hotel Plaza Agut <sup>to Catemaco</sup>
2 Parakeet	6 C. Mockingbird
150 small swifts	6 Logg. Shrike
10 small. hummer	1 Trop. Parula W.
1 Ringed Kingfisher	3 Yellow W.
4 Belted Kingf.	1 Yellowthroat
1 Amazon Kingf.	1 Yellow-b. Chat
9 Golden-fr. W. Flyc.	1 Mont. Oriole
7 Ladder-b. W. Flyc.	25 Bronzed Cowb.
8 Vermilion Flyc.	400 Boat-t. Gr.
75 Fork-t. Flyc.	20 Melod. Blb.
20 Trop. Kingbird	3 Orchard Oriole
1 Boat-b. Flyc.	4 Bl.-kr. Oriole
8 Verm.-cr. Flyc.	10 Red-w. Blb.
35 Gr. Kingbird	8 C. Meadowlark
1 Gr.-br. Martin	1 Blue-gray Tanager

2 Yellow-w. Tan.

2 Wh. - coll. Seedster

25 Blue-bl. Grosbeak

12 Grasshopper St. ✓

3 Lark Sp. ✓

2. Line 6 ✓

March 14, 1960

Mon. Catenaco  
to Nos Amate

cool, cloudy, AM "Norte" end, <sup>to</sup> Acapulco

N-NE Wind 5 mph, later rd

clearing, fair

15<sup>+</sup> Pl. Chachalaca

3 Amer. Coot

10 Red-bi. Pigeon

2 Luca Novelli

1. Ruddy Ground-Squirrel

2 White-throated Sparrow

4 Greenish A:

2. Passage

2. Amurgen  
12/16/1916

100 W.H. - Calk. - Dwyer

10 used, numbers  
B C A T

2 Gull-b. Tern ✓

2 Ringed Kingbird	1 Bronzed Cowbird
6 Blue-cr. Mockingbird	150 Brown-h. Cowbird
3 Collared Aracari	35 Boat-t. Grackle
12 Keel-bi. Toucan	10 Melodious Bell.
10 Golden-sp. Woodpecker	10 Yellow-wi. Tan.
2 Pale-billed Woodpecker	2 Crimson-coll. Tan.
1 Trop. Kingbird	1 Bl.-headed Saltator
4 Boat-bi. Flyc.	1 Buff-tan. Saltator
15 Vermil.-cr. Flyc.	1 Yellow-faced Gr.
1 Gr. Kingbird	2 Wh.-coll. Seedeater
15 Rough-w. Sw.	1+ Blue-bl. Grassquit
1 Mangrove Sw.	1 Hooded Warbler X
1 Green Jay	1 Black-thr. Grack.
30 Brown Jay	2 Rose-brd Grackles X
(both phases)	
6 Clay-col. Robin	
Bl & gr. Gnatcatcher	X
1 Yellowthroat	X
4 Wilson's W.	X
1 Am. Redstart	X
8 Rufous-cop. W.	

14

March 15, 1960 <sup>Hotel</sup> Tues. Cater <sup>(Pl. Azul)</sup>

fair, clear, hazy to Base area  
 max. 90° shade to Coyame  
 in car " 118° sun to Pl. Azul

S-SSW wind 10-25 mph.

9 Least Grebe	5 Sparrow Hawk ✓
1 Pied-b. Grebe	4 Bl. Chachalaca
12 Oliv. Cormorant	10 Am. Coot
1 Mag. Frigate-Bird	12 Laughing Gull ✓
10 Green Heron	3 Red-b. Pigeon
5 Little Bl. Heron	10 Ruddy Gr. Dove
2+ Snowy Egret	20 Groove-bi. Ori
50 Bl. Vulture	25 Wh.-coll. Swift
15 T. Vulture	1 ♀ Green-br. Mango
1 Wh.-t. Hawk ✓	1 ♂ Fork-t. Emerald
400 Broad-w. Hawk ✓	migrating for 15 min.
2 Roadside Hawk	12:45 PM - 1:00 PM
2 Gray Hawk	mostly high
1 Ga. Black Hawk	3 mi. W Coyame over
5 Sharp-sh. Hawk ✓	tropical mt. ridge.
2 Marsh Hawk ✓	to W and NW
1 Osprey ✓	3 mi. W Coyame
	1 ♂ Fawn-br. Hummer
	15 unid. hummers
	1 Ringed King

30 Scissor-t. Flyc. ✓ (Fork-t.?)

flying over Hotel Pl. Aguel - SE.  
just before sunset

- |                       |                       |
|-----------------------|-----------------------|
| 1 Linedated Wd. ph.   | + Bl. head, Grackled  |
| 8 Golden-gr. Wd. ph.  | 1 Wh.-coll. Seedeater |
| 4 Masked Titmouse     | many small unid.      |
| 2 Boat-bi. Flyc.      | finches 100+          |
| 25 Vermil. cr. Flyc.  |                       |
| 5 Gr. Kinglet         |                       |
| 15 Rough-w. Sw.       |                       |
| 45 Brown Jay          |                       |
| (both phases)         |                       |
| 1 Wh. eyed Vireo ✓    | Hotel Pl. Aguel       |
| 1 Bl. + wh. Warbler ✓ |                       |
| 1 Yellow Warb. ✓      |                       |
| 1 Yellowthroat ✓      |                       |
| 2 Wilson's Warbler ✓  |                       |
| 1 Am. Redstart ✓      |                       |
| 9+ Montez. Oropendola | 8 well adv. nests     |
| 3 Giant Cowbird       | several first stage   |
| 300 Bronzed Cowbird   | nests. Poss. 20 birds |
| 150 Boat-t. Grackle   | 3 mi. W Coyame        |
| 15 Melodious Blb.     |                       |
| 1 Yellow-w. Tanager   |                       |

Start Field Work

15

March 16, 1960 Wed.

1000' elev.  
H. Pl. Agul

72° - Half fair, clear-hazy to Base area  
50,992 on lake + return

clouds came in AM + PM

on ridge by 11:00 AM but did not

6:30 - 2:15 PM (also breakfast + lunch <sup>cross.</sup>)

Base area - 1600' elev.

2.7 mi. North of NW (island) corner  
of Lake Catemaco. + of fork in  
road to Coyame. Base area  
is between two low mountains  
which reach about 2000' altitude,  
on road to Santeconaga <sup>(NNE of B-A)</sup> on

Gulf of Mexico. In AM worked on  
bulldozed road which trends NW + down  
from base area for about .5 miles.

Then worked along ascending  
trail through heavy forest .5 mile  
17-1800' with many large trees, lianas, bamboo,  
+ spiny (chaco?) palms. No tree  
ferns, although clouds envelop area.

From base area low mountains (7')

trend toward the NW and become  
progressing higher with the culmination  
in Volcan San Martin about 10  
miles from base area. These low  
mountains appear heavily forested & also  
trend eastward to a low point  
N of Coyame at the NE end of  
Lake Catemaco. East of this they  
rise again toward the higher  
peaks in the southern part of the  
range. The large bay at Santeconaga  
is visible from about 150 yds. NW  
of base area on a clear day. Its edge  
appears to be about miles from  
base area which is at the foot of  
the ridge and also overlooks  
Lake Catemaco. Forest is being cleared  
in two areas visible from base —  
a NW slope of mountain to east of  
base area <sup>and to its edge</sup> and between the bulldozed  
road and the Santeconaga road N  
of base area & below it about 100 yds.

There are extensive cleared areas on the south slopes below the mountains and above L. Catemaco. Corn is the chief crop. Also some coffee & other tree crops. <sup>+ pasture</sup> There is considerable undergrowth in the mountain forests and it is usually necessary to keep to native or game trails or the road. 5:15 - 6:30 PM - walked north on Santecanapa rd. from base area about 1/4 mile descending about 200'.

2 Tinamou sp.?	3 T. Vulture
(Slaty-breasted)	1 Gray Hawk
two toned calls	1 (na) White Hawk
all subsequent are thin <sup>1700'</sup> species	5 Sparrow Hawk ✓
1 Least Grebe	1 Cr. C. C. C.
12 Ol. Cormorant	6+ Pl. Chachalaca
8 Green Heron	15 Laughing Gull ✓
35+ Snowy Egret	12 Red-bi. Pigeon
40 Bl. Vulture	done calling - but 1/2 way
	some call Red-bi. P. - but 1/2 way

18 Ruddy Gr. Dove  
call - Ostr. Cuckoo  
-----

Fawn-b. Humm. - hotel

35 vivid. hummer

1 Violaceous Trogon <sup>1700'</sup>

1 Ringed Kingfisher <sup>Hotel</sup>

3 Blue-cr. Motmot <sup>1400'</sup>

1 Collared Aracari <sup>1400'</sup>

1 Chestnut-cr. Warbler <sup>Hotel 1700'</sup>

5 Golden-fr. Warbler <sup>15-1700</sup>

3 Oliv. Woodcreeper <sup>1400'</sup>

1 Bright-r. Attila <sup>1600</sup>

2 Masked Tityra <sup>1500</sup>

1 Tropical Kingbird <sup>1600</sup>

2 Boat-bi. Flyc. <sup>1600</sup>

2 Verm.-cr. Flyc.

2 Great Kiskadee <sup>Hotel</sup>

sev. Dusky-cr. Flyc. ?

? 2 West. Wood Pewee <sup>1600</sup>

10 Vivid. Flyc.

6 Rough-w. Swallow

6 Green Jay 14-1600

15 Brown Jay

also White-t. <sup>Hotel</sup>

4 Wh.-thr. Robin <sup>1400</sup>

8 Clay-cr. Robin

2 Slate-cr. Solitaire <sup>12-1700</sup>

25 Blue-gr. Gnat. ✓

1 Solitary Vireo <sup>1600</sup> ✓

5 Red-b. Honeycreeper <sup>B.A.</sup>

5 Bananaquit <sup>15-1700</sup>

1 Tr. Parula W. <sup>1600</sup>

1 Bl.-thr. Gr. W. <sup>1500</sup> ✓

1 Yellowthroat <sup>B.A.</sup> ✓

2 Gr.-cr. Yellowthroat <sup>B.A.</sup>

6 Wilson's Warbler <sup>14-1700</sup> ✓

1 Am. Redstart <sup>1500</sup> ✓

5 Golden-cr. Warbler <sup>16-1700</sup>

35 Boat-t. Grosbeak <sup>Hotel</sup>

2 Melodious Blb. <sup>Hotel</sup>

1 Bl.-crowned Oriole <sup>B.A.</sup>

17

- |   |                                 |
|---|---------------------------------|
| 8 Yellow-w. Tan. <sup>B.A.</sup>          | 1 Lincoln Sp. <sup>✓</sup> 1400 |
| 1 Red-cr. Ant. Tanager <sup>15-1790</sup> |                                 |
| 3 Buzz-tar. Saltator <sup>B.A.</sup>      | March 15 - 1 not                |
| 3 Bl. & faced Grosbeak <sup>1600</sup>    | first <u>Tamondra</u>           |
| 4 White-coll. Seedeater <sup>B.A.</sup>   | DOR just N of Hotel.            |
| 18 Painted Bunting <sup>BA</sup>          | 1600' - at least 10             |
| 15 Blue-bl. Grosbeak <sup>B.A.</sup>      | <u>Coats</u> in tree in heavy   |
| 1 Rusty Sparrow <sup>B.A.</sup>           | mountain forest - they          |
|   | immediately ran to ground       |
|   | & disappeared                   |

March 17, 1960 Thurs. Phone

76° at Hotel top 104° in cloud cover AM-PM

6:30 AM 51009.4 return

1:30 PM 5:00 - 6:00 PM

hazy, then about 10:30 AM clouds  
rising from Gulf came over ridge  
& into valley. Wind at first SSW  
then N - possible "North" if  
holds there tomorrow. Cloudy at  
evening trip and very few birds  
active or in song in contrast  
with previous evening trip.

Walked from C-A down road to  
Santecanaga for about 1 mile <sup>to</sup> 1000'  
where first cleared areas can be  
seen. Collected first specimen -  
Chestnut-capped Bush-Finch (apertus  
race) - 1200' along Santecanaga road  
- it was on edge of forest of low  
trees + saplings. Helding on army  
ant train. - this train was  
going along ground + on small trees  
+ saplings lying on or near ground -  
could hear rustling of thousands  
of them - they were being preyed  
upon by 4 species of birds not  
\* in list. Also saw leaf cutting  
ants working up + down a tall  
plant. At least 60 Snow Egrets  
on small island adjacent to  
larger island in NW end of  
L. Cataraco. Also about 45  
Or. Cormorants flying past the  
island.

- 2 Tanager sp.?  
Rufescent<sup>2</sup>  
one pitched call.
- 1 Least Grebe 400' smaller swifts 1400'
- 92 Bl. Cormorant<sup>Catara</sup> 1 Long-tailed Vermont 1500'
- 5 Green Heron mid. hummer 20
- 70 Snowy Egret-isl. 2 Bar-tailed Tanager 1300'
- 35 Bl. Vulture 2 Blue-cr. Motmot
- 5 T. Vulture 1 Collared Aracara 1500'
- 1 Double-t. Kite<sup>1100'</sup> - antic. road
- 55 Swainson's H. - migrating over W mountain 7:00 AM
- 1 Roadside Hawk
- 4 Broad-w. Hawk<sup>✓</sup> migrating in AM <sup>slope</sup> over
- 5 Sparrow Hawk<sup>on road</sup> 1 " " "
- 6+ Pl. Chachalaca<sup>170'</sup> 2 on W mountain
- 22 Laughing Gull<sup>Satara</sup> ✓
- 10 Red-bi. Pigeon<sup>15-1600'</sup> 1 Keel-bi. Toucan 1400'
- 1 Wh.-trigged Dove<sup>1200'</sup> 1 Chestnut-cr. W. g. 1500'
- 2 mid. large parrots<sup>1300'</sup> 2 Golden-br. W. g. 1150'
- 1 Squirrel Cuckoo<sup>1000'</sup> 1 \*Tawny-winged Woodc.
- 4 Brown-bi. Ani<sup>B-A</sup> 2 \*Buff thr. Polioptila 1150'

- |   |  |
|---|--|
| 1 Rose-thr. Becard <sup>1500'</sup>       | 20 Cedar Waxwing <sup>✓ 1000'</sup>      |
| 4 Boat-bi. Flyc. <sup>B-A</sup>           | 1 Bl. + Wh. Warbler <sup>1550' ✓</sup>   |
| 5 Vermil-cr. Flyc.                        | 1 Trop. Parula W.                        |
| 2 Gr. Kinglet <sup>B-A</sup>              | 2 Magnolia W. <sup>✓ 1500'</sup>         |
| 7 Dusky-capp. Flyc. <sup>scattered</sup>  | 1 Bl.-thr. Green W. <sup>✓</sup>         |
| 2 W. Wood. Pewee <sup>B-A</sup>           | 1 Gray-cr. Yellowthr. <sup>B-A</sup>     |
| 1 Gr. Crested Flyc. <sup>in route</sup> ✓ | 6 Wilson's Warbler <sup>✓</sup>          |
| 1 Trop. Kingbird                          | 1 Am. Redstart <sup>✓</sup>              |
| 1 Ind. Flyc. <sup>in route</sup>          | 2 Golden-cr. Warbler <sup>cr. alt.</sup> |
| 6 Rough-w. Swallow <sup>B-A</sup>         | 2 Rufous-cap. W. <sup>1550'</sup>        |
| 4 Green Jay <sup>1400'</sup>              | 1 Mont. Oriole <sup>1400'</sup>          |
| 15 Brown Jay                              | 2 Yellow-b. Cuckoo <sup>1000'</sup>      |
| also wh. fly.                             | 20 Bronzed Grackle <sup>in route</sup>   |
| 2 Band-b. Wren <sup>1000'</sup>           | 25 Boat-t. Grackle                       |
| 5 Wh-br. Wood-Wren <sup>scattered</sup>   | 2 Melodious Blb. <sup>1550'</sup>        |
| Spot-br. Wren ?                           | 2 Yellow-thr. Euphonia <sup>1550'</sup>  |
| 5 Wh.-thr. Robin <sup>1550'</sup>         | 8 Yellow-w. Tan. <sup>cr. alt.</sup>     |
| 8 Clay-coll. Robin <sup>cr. alt.</sup>    | 3 Crimson-coll. Tan. <sup>1550'</sup>    |
| 10 Blue-gr. Gnat <sup>cr. alt.</sup> ✓    | 5 Summer Tan. <sup>1200' ✓</sup>         |
| 2 Red-e. Honeycr. <sup>1550'</sup>        | 5 Gray-head. Tan. <sup>1150'</sup>       |
| 1 Bonaparte <sup>B-A</sup>                | 3 Buff-thr. Salt. <sup>B-A</sup>         |
|   | 8 Bl.-faced Grosb. <sup>B-A</sup>        |
|   | 1 Painted B. <sup>1550' ✓</sup>          |
|   | 6 Wh.-coll. Seedeater <sup>B-A</sup>     |

19

6 Bl.-bk. Grassquit <sup>B-A</sup>	1 Rusty Sparrow B-A
1 Chestnut-cap. Br.-finch (apertus) collected 1200'	
3 Olive Sparrow <sup>1050'</sup> B-A 1500	3 Lincoln Sparrow B-A ✓

March 18, 1960 Friday H. P. A.  
 Hum 64° → North again strong to B-A.  
 cool, cloudy, Wind N-NW 15-45+  
 barometer rise 51026.7

6:30-10:00 in valley due to ingress of air  
 29.65 at B-A - 58°F over ridge?

rain showers, general light rain  
 birds few, little song or activity

1 Least Grebe } Z.	4 Red-bi. Pigeon 1300
6 Green Heron } Cat.	1 Long-tailed Hermit 1500
25 Snowy Egret	12 mixed, hummers
60 Black Cuckoo	2 Ringed Kingf. Cat.
5 T. Vulture	2 Golden-eg. Wd phr.
2 Roadside H. <sup>S. And.</sup> ✓	1 Bright-r. Attila 300'
7 Sparrow Hawk ✓	3 Boat-bi. Flyc.
8 Laughing Gull ✓	3 Dusky-cap. Flyc.
2 Terns - Gull-bi. ✓	1 W. Wood Pewee 1000'

4 Green Jay <sup>14-1000</sup>	1 Golden-cr. Warbler <sup>1500</sup>
6 Brown Jay <sup>Jan at. 500 and</sup>	1 Rufous-cop. W.
1 Wh.-br. Wood-W.	1 Montez. Oropendola <sup>1100</sup>
5 Blue-gr. Gnat ✓	215 Boat-t. Grackle
10 Red-b. Hanager	3 Melodious Blb.
1 Bananaquit	6 Bl.-h. Saltator?
1 Yellow W. 900' ✓	1 ♀ Yellow-l. Grosbeak <sup>B-A</sup>
2 Myrtle W. 900' ✓	3 Wh.-coll. Seedeater <sup>B-A</sup>
1 ♀ Kentucky W. 900' ✓	3 Bl.-bl. Grosbeak <sup>B-A</sup>
1 ♀ Hooded W. 900' ✓	1 Rusty Sp. B-A
4 Wilson's W. ✓	3 Lincoln's Sp. ✓
2 Am. Redstart <sup>1500</sup> ✓	

March 19, 1960 Sat. HPA to  
 cool, cloudy Norte B-A to  
 60° - Hotel 6:30 51074.3 <sup>Coyote</sup> <sup>return</sup>  
 A: 6:15 - 10:00 AM - B-A.  
 B: 10:00 - 3:30 AM - B-A - Coyote to H.P.A.  
 wind N-NNE 5-15 mph.  
 B-A road in bad shape - muddy, slippy  
 rain - light, dense most of day

Worked down on Santes. Rd. to  
about 1300' + then drove to  
Coyame, + back to Hotel -  
observing along road.

Coyame to Santesmagen Rd. 5 mi.  
this section mostly cleared with  
few patches of forest. Corn pasture  
+ coffee etc. mainly - about 1000'

About 8:30 AM when fog + clouds  
were dense in the forest we heard  
a series of penetrating, deep toned,  
sounds seeming to come from  
the logging road to the NW  
about 1000' + out. They very possibly  
could be howler monkeys.

1 Ring? Tanager	42 Lar. Screech - Catemaco
3 Least Grebe <sup>Cate.</sup>	15 Bl. Vulture
20 Oliv. Cormorant	2 T. Vulture B
6 Green Heron <sup>Hotel</sup>	3 Roadside N. C
1 Little Bl. Heron <sup>Hotel</sup>	8 Sparrow Hawk B
90 Snowy Egret <sup>Cate.</sup>	20+ Pl. Cuckoo <sup>? yps.</sup>
1 Y.-cr. N. Heron	4 Laughing Gull <sup>Cate.</sup>

*Killed by nature - Cat.*

20 Red-bi. Pigeon <sup>B</sup>	1 Sulphur-b. Flyc. B
2-3 <sup>3</sup> unid. Dove	5 Boat-bi. Flyc. B
1 Red-long Parrot <sup>B</sup>	15 Vermil.-cr. Flyc. B
12 Green-bi. Ani <sup>B</sup>	13 Gr. Kiskadee t.
2 Long-t. Hermit <sup>1550</sup>	7 Dusky-cap. Flyc. <sup>B</sup>
4 Green-br. Mango <sup>B</sup>	2 W. Wood Pewee <sup>B-A</sup>
1 Fawn-br. Humm <sup>B</sup>	sw. unid. Engid.
10 Bar-t. Trogon <sup>1400'</sup>	6 Purple Martin <sup>B</sup>
2 Ringed King <sup>B</sup>	1 Bank Swallow <sup>B</sup>
1 Blue-cr. Motmot <sup>1500</sup>	20 Tree Swallow <sup>B</sup>
14+ Keel-bi. Toucan <sup>1550</sup>	20 Brown Jay <sup>B</sup>
1 Golden-Olive Wph. <sup>1450</sup>	1 Nor. House Wren <sup>B</sup>
1 Lined Wph. B	1 So. House Wren <sup>B-A</sup>
13 Golden-fr. Wph. B	1 Wh.-br. Wood-Wren <sup>1550</sup>
1 Oliv. Woodcreeper <sup>1550</sup>	2 Wh.-thr. Robin <sup>1550</sup>
1 Br.-rumped Attila <sup>14-1500'</sup>	3 Clay-col. Robin <sup>1550</sup>
2 Rose-thr. Becard B	8 Blue-gr. Gnatcatcher <sup>1550</sup>
8 Masked Tityra B	35 Cedar Waxwing <sup>B</sup>
1 E. Phoebe <sup>B</sup> ✓	1 White-e. Vireo <sup>B</sup> ✓
70+ Scissor-t. Flyc. <sup>B</sup> ✓	1+ Yell.-thr. Vireo <sup>B</sup> ✓
12 Tropical King <sup>B</sup>	1 Solitary Vireo <sup>B</sup> ✓

20 10 Red-l. Honeycr. <sup>1550</sup> B	35 Montez. Oreganula <sup>B</sup>
1 Bananquit <sup>1550</sup> B	50 Boat-t. Grackles
1 Nashville W. <sup>B</sup> ✓	12 Melodious Blb. <sup>B</sup>
2 Trop. Parula W. <sup>1550</sup>	7 Baltimore Oriole <sup>✓ B</sup>
5 Yellow W. <sup>✓ B</sup>	2 Orchard Oriole <sup>✓ B</sup>
1 Magnolia W. <sup>B</sup> ✓	2 Scrub Euphonia <sup>B</sup>
4 Myrtle W. <sup>✓ B</sup>	2 Yell.-thr. Euphonia <sup>1550</sup>
1 Bl.-thr. Gr. W. <sup>1550</sup> ✓	2 Blue-gray Tanager <sup>B</sup>
1 Kentucky W. <sup>1550</sup> ✓	10 Yellow-w. Tanager <sup>1550</sup> B
1 C. Yellowthroat <sup>B</sup> ✓	2 Wh.-w. Tanager <sup>1550</sup>
3 Gray-cr. Yellowthr. <sup>B</sup>	1 Western Tanager <sup>✓ B</sup>
2 Yellow-br. Chat <sup>✓ B</sup>	10 Red-cr. Ant-Tan. <sup>1400</sup>
10 Wilson's Warb. <sup>1550</sup> B ✓	5 <del>Bl.-thr.</del> Saitator <sup>B</sup>
1 Am. Redstart <sup>1550</sup> B ✓	2 Grayish Saitator <sup>B</sup>
2 Golden-cr. W. <sup>1500</sup>	1 C. Cardinal <sup>B-A</sup>
1 Rufous-cap. W. <sup>1600</sup>	17 Rose-br. Grosb. <sup>1550</sup> ✓
8 Yellow-f. Grassquit <sup>B</sup>	1 Blue-bl. Grosbeak <sup>1500</sup>
70 Wh.-coll. Seedeater <sup>B</sup>	10 Indigo Bunting <sup>✓ B</sup>
25+ Bl.-bl. Grassquit <sup>B</sup>	1 Olive Sparrow <sup>B</sup>
2 Rusty Sparrow <sup>B</sup> B-A	3 Lincoln Sp. <sup>B-A</sup> ✓

March 20, 1960 Sun.

cool

51090.9

H.P.A.

+0

B-A

+0

SE of

Catunaco

on

Acayuen

about

25 miles

62° cloudy

wind N-NNW 5-15 mph.

heavy rain in AM at base area.

fairly clear and high cloud  
cover at first, then closing  
in + rain

A B-A - 8-10 AM

B- B-A to Catunaco to 25 mi. SE

V.S.M. cleared late in PM and  
from hill above S end of L.

Catunaco, a succession of mts (8-9)  
can be seen rising progressively  
higher toward the volcano.

Their slopes are mainly forest  
covered but lower slope is all  
cleared + planted or in scrub.

Rain + clouds in AM at B-A

prevented good observation for  
third successive day.

22

Good birding area along ravine + hill slope on downgrade 10 miles on road - to Acayacan from Catemaco

- |  |  |
|--|--|
| 3 Rufescent Tinamou <sup>15-1600</sup> | 2 Inca Dove B                            |
| 7 Least Grebe <sup>2. Cat.</sup>       | 2 Ruddy Gr. - D. B                       |
| 160 Bl. Cormorant                      | 3 Wh. - Tipped Dove B                    |
| 8 Green Heron <sup>Hotel</sup>         | 4 unid. parakeets                        |
| 1 L. Blue Heron <sup>2. Cat.</sup>     | 2 Red - lored Parrot <sup>1/4 mile</sup> |
| 40 Snowy Egrets                        | 1 Squirrel Cuckoo <sup>5 B-A</sup>       |
| 6 Blue - wr. Teal                      | 3 Vamp' Swift B                          |
| 60 Lar. Scaup                          |  |
| 1 King Vulture <sup>300' B</sup>       | <sup>about 20 mi SE</sup>                |
| 125 Bl. Vulture B                      | 1 Long - t. Hermit B                     |
| 25 T. Vulture B                        | 1 Rufous - t. Hummer B                   |
| 1 Wh. - t. Hawk B                      | 1 Violaceous Trogon B                    |
| 3 Roadside H. B                        | 4 Ringed Kingfisher B                    |
| 4 Gray Hawk <sup>B-A-1</sup>           | 2 Amazon Kingf. B                        |
| 1 Longwing Falcon B                    | 1 Bl. - cr. Motmot <sup>1500</sup>       |
| 1 Cr. Caracara B                       | 5 Collared Aracari B                     |
| 10 Sparrow Hawk B                      | 2 Keel - bi. Toucan B                    |
| 14+ Pl. Chachalaca <sup>B-A</sup>      | 1 Golden - Olive Wbphr. B                |
| 1 Spotted S. B ✓                       | 8 Golden - fr. Wbphr. B                  |
| 20 Longwing Gull ✓                     | 2 Pale - bi. Wbphr. B                    |
| 8 Red - bi. Pigeon B                   | 1 Tawny - wi. Woodc. <sup>1400</sup>     |

- |   |  |
|---|--|
| 3 Rose-thr. Beard B   | 1 Sl.-col. Solitaire <sup>1700+</sup> h. |
| 5 Masked Tityra B   | 1 Wood Thrush <sup>1500</sup>            |
| 1 Black Phoebe Br   | 1 Swainson's Thr. <sup>H. Fly</sup>      |
| 10 Scissor-t. Flyc. B   | 10 Bl.-gr. Gnatcatcher <sup>B</sup>      |
| 7 Trope. Kingbird B   | 45 Cedar Waxwing ✓                       |
| 8 Vermil.-cr. Flyc. B   | 1 Rufous-br. Pepp.-Sh. <sup>B</sup>      |
| 5 Gr. Kiskadee B  | 2 Wh.-eyed Vireo B ✓                     |
| 1 Gr.-Gr.-Flyc. B ✓   | 1 Solitary Vireo B ✓                     |
| 2 Dusky-cap. Flyc. B  | 1 <del>Bl.</del> Bl. & Wh. W. B ✓        |
| 1 Yellow-b. Flyc. <sup>1500</sup> ✓                                     | 1 Blue-w. Warbler B ✓                    |
| 3-4 <sup>not lost</sup> <del>Em. Euphonia</del> <sup>Em. Euphonia</sup> | 1 N. Parula Warbler B ✓                  |
| 3 Gray-br. Martin <sup>B</sup>  | 3 Yellow Warbler B ✓                     |
| 2 Cliff Swallow B   | 2 Magnolia W. ✓                          |
| 8 Rough-w. Sw. B  | bridge at Catemaco                       |
| 3 Barn Swallow B  | 1 Cape May W. <sup>Catem</sup> ✓         |
| 20 Tree Swallow B ✓   | 4 Myrtle Warbler <sup>Catem</sup> ✓      |
| 2 Mangrove Sw. B  | 2 Bl.-thr. Gr. W. B ✓                    |
| 40 Brown Jay B  | 2 Yellow-thr. W. B ✓                     |
| 1 Spot-br. Wren B   | 1 Nor. Water-Thr. B ✓                    |
| 1 Nor. House Wren B ✓   | 1 C. Yellowthroat B ✓                    |
| 3 Clay-col. Robin B   | 2 Gr.-cr. Yellowthr.                     |

- |   |                                       |
|---|---------------------------------------|
| 2 Yellow-cr. Chat <sup>B</sup> ✓              | 20 Indigo Bunting <sup>B</sup> ✓      |
| 12 Wilson's Warbler <sup>B</sup> ✓            | 1 Yellow-cr. Grosbeak <sup>B</sup>    |
| 1 Golden-cr. W. 1550                          | 20 White-coll. Seedeater <sup>B</sup> |
| 1 Mont. Oropendola <sup>B</sup>               | 30 Blue-bl. Grosbeak <sup>B</sup>     |
| 150 Bronzed Cowbird <sup>B</sup>              | 1 Olive Sparrow <sup>B</sup>          |
| 650 Boat-t. Grackle <sup>B</sup>              | 3 Rusty Sparrow <sup>B</sup>          |
| 15 Melodious Blb. <sup>B</sup>                | 8 Lincoln Sp. <sup>B</sup> ✓          |
| 10 Baltimore Oriole <sup>B</sup>              |                                       |
| 20 Orchard Oriole <sup>B</sup> ✓              |                                       |
| 2 Bl.-coll. Oriole <sup>B</sup>               |                                       |
| 1 Bl.-thr. Oriole <sup>B</sup>                |                                       |
| 2 Yellow-thr. Euphonia <sup>B</sup>           |                                       |
| 1 Blue-Gray Tan. <sup>B</sup>                 |                                       |
| 1 Crimson-coll. Tan. <sup>B</sup>             |                                       |
| 2 ♀ Summer Tan. <sup>B</sup> ✓                |                                       |
| 1 Western Tan. <sup>B</sup> ✓                 |                                       |
| 4 Buff-thr. Saltator <sup>B</sup>             |                                       |
| 1 ♀ C. Cardinal <sup>B</sup>                  |                                       |
| 9 Rose-cr. Grosbeak <sup>B</sup> ✓            |                                       |
| 1 ♂ Blue Bunting <sup>300'</sup> <sup>B</sup> |                                       |
| 3 Blue-bl. Grosbeak <sup>B</sup>              |                                       |

1-1450

Large Squirrel  
seen twice

11 mi. from  
Catanaco on  
Acaymeh Rd.  
in gray with  
area of bright  
rufous on center  
side & below -  
not in forest  
or Hall?

20 mi. SE Catanaco

March 21, 1960 Mon. 67° H.P.A.

9:00 AM - 5 PM 51, 152.4 to

cool, cloudy, Wind N-NNW Tacolagon  
showers. 5-15 mph. + return

clearing to south

+ turning slightly warmer about  
5 PM - end of "route"? Saw  
about 220 Bl. Vultures feeding on  
+ around dead pig - S. Trapped.  
Also several were starting to pick  
at dog waste, which was dying  
and had apparently been hit by car  
or there was a hole in skull.

- |                      |                         |
|----------------------|-------------------------|
| 11 Least Grebe Cte.  | 7 Roadside Hawk         |
| 5 Pied-b. Grebe      | 2 Gray Hawk             |
| 10 Ol. Cormorant     | 2 Gr. Black Hawk        |
| 5 Green Heron - Cote | 1 Laughing Falcon Cote. |
| 1 Little Blue Heron  | 1 Cr. Cuckoo            |
| 6 Snowy Egret - Cote | 10 Sparrow Hawk         |
| 500 Bl. Vulture      | 6+ Bl. Cuckoo           |
| 20 T. Vulture        | 10 Am. Coot - Cote.     |
| 1 Swainson Hawk      | 1 Spotted Sandp.        |
| Tacolagon            |                         |

- |                        |                           |
|------------------------|---------------------------|
| 1 Red-bi. Pigeon       | 1 Solitary Vireo ✓ Cat    |
| 1 Inca Dove            | 1 Bl. + Wh. Warbler ✓ Cat |
| 20 Gr.-bi. Ani         | 1 Nashville W. ✓ Cat.     |
| 1 Ferr. Pygmy Owl      | ste. nr. S. A. Tanager    |
| 1 Mottled Wood-Owl     | DOR nr. S. Tanager        |
| 100 Wh.-coll. Swift    | 7 Yellow W. ✓ Cat.        |
| 15 Vamp' Swift         | 5 Magnolia W. ✓ Cat.      |
| 1 Fawn-bl. Hum. H.P.A. | 1 Cape May W. ✓ "         |
| 1 Rufous-t. Hum.       | 3 Myrtle W. ✓ "           |
| 10 mixed. hummers.     | 1 Bl.-th. Gr. W. ✓ "      |
| 2 Keel-bi. Toucan      | 2 Yellow-th. W. ✓ "       |
| 4 Golden-fr. Wdgers.   | 1 Nor. W. Thrush ✓ "      |
| 3 Tropical Kingb.      | 1 Gray-cr. Vireon.        |
| 8 Vermil.-cr. Flyc.    | 2 Yellow-br. Cat ✓        |
| 6 Gr. Kiskadee         | 5 Wilson's Warbler ✓      |
| 3 Dusky-cap. Flyc.     | 2 Rufous-cr. W.           |
| 30 Rough-w. Sw.        | 75 Bronzed Grouse         |
| 50 Brown Jay           | 150 Boat-t. Grackles      |
| 3 Spot-br. Wren        | 15 Melodious Blb.         |
| 3 Gray-cr. Robin       | 1 Yellow-th. Euphonia     |
| 1 Wh. eyed Vireo ✓ Cat |                           |

showers, one heavy about  
7 + 9 P.M. Road to Sontec. has been  
very muddy + slippery - too hazardous for car  
in last 2-3 days. Lark Sparrow - S. And.

4 Yellow-w. Tan.	1 Yellow-g. Grosbeak
1 Cr.-coll. Tan.	15 Wh.-coll. Seedeater
1 Wh.-w. Tan.	30 Bl.-bl. Grosbeak
3+ Bl.-head Grosb.	25 Indigo Bunting ✓
10 Laughing Gull ✓	4 Lincoln Sp. - Cat. ✓
1 im Royal Tern ✓	2 Painted B. ✓ Teodopan

Hills + valleys around S.-And.  
+ Santiago T. (less extent) are  
mostly cloud, erosion is evident.  
Magnificent forest near road  
at Teodopan is now a  
mass of blackened stumps - a  
sad sight. More forest on  
hills west of S. than  
than east. From south  
of Cotem. can be seen the  
very low gap where clouds  
+ rain can come thru to  
lake from Gulf at Coyame.  
Brown Jay very common - much imi-  
nity with white tail tips.

25

March 22, 1960 Tues. H.P.A.

65° 6:30 - 3:30 51224.0 <sup>to</sup> B-A  
clear, fair, Wind NE 10-20 mph. + rather

still heavy clouds to north but  
disipated later in AM after heavy  
shower about 6:45. - cumulus  
clouds (fair weather) then from NE  
and cleared even more in PM.

Road to BA - drying rapidly during  
day but in evg AM still too  
wet so parked car about  $\frac{3}{4}$  mile  
from B-A. + walked. (About 4 miles total)

Clearer day so far - could  
see whole Bay of Sateconagon,  
Dos Amates, and ocean from  
1500' along bulldozed road. (1).

Heard Howler Monkeys <sup>from</sup> along this  
road about 450 yards NW of B-A.

About same location as on  
prior day. Finally located two ~~one~~  
horizontal branch of tree about 300'  
above and 250 yds from us. They

Leaf cutting ants on road (1) -

50+ gbs  
apparently asleep with heads down  
appeared large + dark with blackish  
head + limbs + reddish-brown  
body. They moved on a little but  
in response to whistles, shouts  
+ clapping they raised their heads  
and looked at us. They were sitting  
about 70 $\pm$  ft. up in a tree in  
dense forest on the side of a  
mountain reaching about 2300' a.s.l.

Clearing the forest to the NW of the  
B-A seems to have ceased temporarily.  
A new section is being cleared at  
the east edge of the B-A at  
the base of the mountain.

Ascended on the mountain to the  
northwest (#2) to about 2100' a.s.l.  
on reaching its north face.  
Although there are some larger  
trees, the forest on its upper  
slopes is denser with more  
bamboo + scattered "chacha palms".  
Birds are scarcer in this unbroken  
forest.

26

1+ Coatimundis in large tree  
among bamboo thickets off road  
(1) about 1650' alt.

- |                       |                     |                      |              |
|-----------------------|---------------------|----------------------|--------------|
| 2 Rufescent Tin.      | 1400                | 50 Vaux's Swift      | 1600'        |
| 2 Least Grebe         | l. Caty.            | 10 mind. hummers.    |              |
| 5 Oliv. Cormorant     |                     | 2 Ringed Kingf.      | H.P.A.       |
| 1 Mag. Frigate-Bird   | Santecaragon Bay    |                      | ↑            |
| 4 Green Ikeron        | Hotel               | 1 Amazon Kingf.      |              |
| 60 Snowy Egret        | Cat.                | 2 Blue-cr. Motmot    | 1900<br>1600 |
| 40 Bl. Vulture        |                     | 4 Keel-bi. Toucan    | 1500'        |
| 5 T. Vulture          |                     | 2 Golden-Olive Wghr. | 1900, 1500   |
| 3 Wh.-t. Hawk         | migrating           | 2 PM                 |              |
| 3 Roadside Hawk       |                     | 5 Golden-gr. Wghr.   |              |
| 1 Gray Hawk           | 1500                | 1 Olivaceous Wdgrn   | 1600'        |
| 1+ poss. Eagle Hawk   |                     | 1 Ivory-bi. Woodc.   | 1900         |
| 1 Bl. + wh. E.-N. ?   | -large, white below | (1) 2 PM             | 1700'        |
| 12 Brook-w. Hawk      | migr.               | 1:00 PM              | on ground    |
| 2 Sharp-sh. Hawk      | "                   | 2 Buff-thr. F.-Glean | 1900         |
| 4 Sparrow H.          | ✓                   | 4 Masked Titra       | H.P.A. + 8-1 |
| 6 Pl. Chachalaca      | ✓                   | 7 Tropical Kingbird  |              |
| 5 Laughing Gull       | ✓ later             | 2 Vermil.-cr. Flyc.  |              |
| 5 Red-bi. Pigeon      | B-A                 | 3 Gr. Kiskadee       |              |
| 4 mind. large parrots | B-A                 | 8 Dusky-cap. Flyc.   | B-A 140      |
| 1 Parakee             | -H.P.A.             | 1 Yell.-bell. Flyc.  | 1600         |

Santecoman Rd = road (2)

- 1 Bright-cr. Attila 1500  
 1 Yell.-bell. Tyrannulet 1500  
 1 Purple Martin B-A ✓  
 6 Rough-w. Sw. 1550  
 1 Tree Sw. L. Cate. ✓  
 1+ Green Jay 1800/1600  
 10 Brown Jay - HPA B-A  
 2 Spot-cr. Wren 1450  
 4 Wh.-cr. Wood-Wren 1900-1450  
 3 Wh.-thr. Robin 1900  
 5 Clay-col. Robin 1600  
 1 Orange-br. N.-Thr. 1900  
 2 Slate-col. Sol. 1700  
 1 Blue-gr. Gnat. ✓ 1600  
 1 Gray-h. Greenlet 1500  
 6 Red-l. Honeycreeper 15-1600  
 1 Bananaquit 1500  
 1 Yellow-thr. Vireo 1600 ✓  
 1 Bl. + Wh.-W. ✓ 1600  
 1 Trop. Parula W. 1500  
 2 Myrtle W. - 5 of B-A ✓  
 2 Bl. + Wh. Gr. W. 1500 ✓
- 10 feet-eye level.  
 2 Golden-cr. W. 1800  
 2 Rufous-cap. W. 1550  
 1 Yell.-bill. Cacique on yr 1900  
 600 Boat-t. Grackle  
 2 Black-cowbird Oriole  
 2 Blue-hooded Eagle 1600  
 1 well seen 100' up in  
 (fruit) top of tree - shot  
 male but lost it.  
 1 Yellow-w. Tan 1600  
 1 Buzz-thr. Saltator 1600  
 4 Bl.-faced Grosb. 2200/1800  
 8 Indigo Bunting HPA B-A  
 2 Yellow-f. Grosb. f  
 35 Wh.-coll. Seedeater  
 1 Bl.-l. Grosbeak  
 2 Ch.-cap. Bush-Finch  
 (apertus) - on ground  
 5 Rusty Sparrow H.P.A.  
 1 Lincoln's Sp. B.A. ✓

27

March 23, 1960 Wed.

H. P. A.

51230.2 dew

B-A.

58° clear, cool, fair

6:30 - 2 PM

wind NE

5:00 - 6:30 PM

5-25 mph.

Later in day some Co clouds come in. Heavier and lower clouds were coming in over Coyame + goats to south. Road to B-A again dry + extremely dusty.

Thought we heard howlers give one or two roars this evening. Today we worked Road (1) to Lookout

but could not see monkeys. Then we worked Road 2, descending to Dos Amates (1000') and then eastward toward Bay of Santecomaga to about 700' a.s.l. Base area is about 3 miles SW of Santecomagan and 1 mi. SSW of Dos Amates. Areas around this latter town are cleared or in scrub forest or brush. Some pastures. Most all of mts. to east + west are being forested.

Another large & 2 small lines of  
leaf cutting ants. Watched them  
coming down from 30' up in leafy  
tree. Saw two White Hawks soaring  
above mts - wind from B. Ants  
Also several hawks - blackish -  
indeterminable. - Several dark-gray-  
brown squirrels - gray squirrel type.

- |   |  |
|---|--|
| 3 Rufous Tinsam <sup>17-1400</sup>        | 8 Ruddy Gr. Dove <sup>500</sup> B-A                                  |
| 1 Least Grebe <sup>L. Cat.</sup>          | 11 Red-ored Parrot   |
| 1 or. Little Bl. Heron <sup>500</sup> B-A | 6:30 PM going<br>over ridge (B-A)<br>toward north.                   |
| 25 Bl. Vulture                            | 5 unid. Parrots, 1 smaller<br>same note 1 or 2<br>indiv. - - - - - ? |
| 10 T. Vulture                             |  |
| 1 Roadside H. <sup>900</sup>              |  |
| 2 Gray Hawk                               |  |
| 2 White Hawk <sup>soaring</sup>           | 1 Parakeet <sup>500</sup> B-A  |
| 3 Gr. Bl. Hawk <sup>1000</sup>            | 45 Vamp' Swift   |
| 3 Br.-wi. Hawk <sup>✓</sup>               | migrating NW on ridge  |
| 1 - Crested Caracara <sup>1000</sup>      |  |
| 5 Sparrow Hawk <sup>✓</sup>               | 1 Long-t. Hermit <sup>1100</sup>                                     |
| 4+ Pl. Chachalaca <sup>B-A</sup>          | 1 Violet-Sabre-wing <sup>800</sup>                                   |
| 8 Red-bi. Pigeon <sup>5-B-A</sup>         | 12 Gr.-br. Mango <sup>800</sup>                                      |
| 2 Wh-tip. Dove <sup>1400</sup>            | 1 Fork-t. Emerald <sup>800</sup>                                     |

- |  |  |
|--|--|
| 13 unid. hummer                          | 12 Brown Jay <sup>2 - 900</sup>        |
| 2 Violaceous Trogon <sup>1200'</sup>     | 4 Band-br. Wren <sup>2 - 1500</sup>    |
| 2 unid. Tr. <sup>800'</sup>              | 5 Spot-br. Wren <sup>1500'</sup>       |
| 2 Bl.-cr. Motmot <sup>1500'</sup>        | 2 Nor. W. Wren <sup>8-A</sup> ✓        |
| 2 Keel-br. Toucan <sup>1300</sup>        | 5 Wh.-br. W.-Wren <sup>12-1600</sup>   |
| 3 Golden-Olive Wgh. <sup>1500</sup>      | 3 Wh.-th. Robin <sup>15-1600</sup>     |
| 1 Lined Wgh. <sup>800'</sup>             | 1 Catbird <sup>1600</sup>              |
| 7 Golden-fr. Wgh. <sup>var. alt.</sup>   | 10 Clay-col. Robin <sup>15-1600</sup>  |
| 2 Olive. Woodc. <sup>1500</sup>          | 10 Bl.-gr. Gnat. <sup>var. alt.</sup>  |
| 2 Ivory-br. Woodc. <sup>1500</sup>       | 1 Red-e. Vireo <sup>1500</sup>         |
| 8 Masked Titia <sup>1600</sup>           | (flavoviridis)                         |
| 6 Trop. Kingbird <sup>800'</sup>         | 1 Gray-headed Greenlet <sup>1600</sup> |
| 4 Boat-br. Flyc. <sup>1600</sup>         | 2 White-eye Vireo <sup>900'</sup>      |
| 2 Vermil.-cr. Flyc. <sup>700'</sup>      | 10 Red-l. Honeyc. <sup>14-1600'</sup>  |
| 4 Gr. Kiskadee                           | 1 Bananaquit <sup>1500'</sup>          |
| 1 Br.-cr. Flyc. <sup>800'</sup>          | 1 Bl. + wh. W. <sup>1500'</sup>        |
| sw. unid. flyc.                          | 1 Orange-cr. W. <sup>800'</sup>        |
| 12 Dusky-cap. Flyc. <sup>var. alt.</sup> | 1 Nor. Parula W. ✓                     |
| 1 W. Wood Pewee <sup>1600</sup>          | 1 Trop. Parula W. <sup>1400</sup>      |
| 16 Rough-w. Sw. <sup>1600</sup>          | 5 Magnolia W. <sup>var. alt.</sup>     |
| 2 Green Jay <sup>1400</sup>              | 2 Bl.-th. Gr. W. <sup>1500</sup>       |
|  | 1 Corn. Yellowthr. ✓                   |
|  | 2 Yell.-br. Chat <sup>1500</sup>       |
|  | 1600                                   |

- 1 Hooded Warbler ✓ 1500
- 4 Am. Redstart ✓ 500
- 8 Golden-cr. W. 14-1600
- 3 Rufous-cap. W. 1500
- 1 Mont. Oropend. B-A 1000
- 2 Yellow-bi. Cuckoo 500
- 40 Boat-t. Gs. 1500
- 4 Mel. Blb. 1000
- 2 Bl.-cowl. Oriole 800
- 3 Yell.-thr. Euphonia 1600
- 7 Yell.-wi. Tanager 14-1700
- 1 ♂ Summer Tan. ✓ 1500
- 1 Crimson-coll. Tan. 1600
- 2 Wh.-wi. Tan. 1200
- 1-2 Red-cr. Ant-Tan. 1500
- 1 rufid. Ant-Tan. 15-1600
- 2 Bl.-head. Salt. 1100'
- 5 Bl.-faced Grosb. 15-1600
- 2 Blue-bl. Grosbeak 1500
- 2 Yellow-fac. Gr. B-A 900
- 12 Wh.-coll. Seedeater 800'

- 8 Bl.-bl. Grosbeak 4- B-A
- 4 Indigo Bunting ✓ 800
- 3 Olive Sparrow 1100
- 3 Rusty Sp. B-A
- 5 Lincoln Sp. B-A ✓
- 1 Lark Sparrow 2- B-A

large trees with  
small fruits are  
very attractive to  
many species.

Tanager, Euphonia,  
Robins, Catbird,  
Toucans, Grosbeaks.  
Tree just below  
base area is  
often 'alive' with  
birds.

29

subtract from min. temp.  $2^{\circ}$  for 600' increase  
in elevation of B-A.

March 24, 1960 Thurs.

H.P.A.

$60^{\circ}$  fair, clear - hazy

to

51247.5

B-A

leaves 6:30 - 12:00

wind NE 3-15 mph.

max.  $81^{\circ}$  at 12:00 M.

Heard boulder monkeys and later  
saw the two at approx. same  
distance + height but in tree about  
2-300 yds farther NW on mountain.

Both monkeys moved up to a limb  
using feet + tails + sat close together  
facing us + sun with heads subwing  
White Hawk soaring at noon over  
NW mountain. Walked up Road (1)  
and then trail A + then to NW  
descending on side trail to dead  
end opening in forest (frame of  
shelter made here). <sup>1400'</sup> Unid. large  
eagle-like bird about 11:30 over  
NW mountain. Very wide wings, con-  
siderable white below, dark on

breast or belly, tail light with dark  
 band. Wind shift to south at  
 evening - (cloud motion). Laughing Gulls  
 calling on L. Catroco as sun goes  
 down and red clouds above the  
 mountains cast a glow on the  
 lake surface - peaceful. Still  
 new and unknown calls in the  
 forest today. Two White-tailed  
 Kites just flew by our Hotel  
 grounds going NW. In to S. And.  
 Today PM for mail, gas, food.  
 Great Horned Owl nest in tree  
 at lake edge in front of hotel.

2 Rufes. Tinamou	<sup>1400</sup> 10 T. Vulture
1 L. Grebe <sup>L. Cat.</sup>	2 Wh.-tailed Kite <sup>over H.P. A.</sup>
1 Mag. Frigate-Bird	over Road 1 - 1500'
4 Green Heron - L. Cat.	1 Roadside H. - S. And.
1 <sup>st</sup> Little Bl. Heron	1 Gray Hawk - B-A
30 Snowy Egret	1 White Hawk <sup>over NW mt.</sup>
1 Bl.-ck. N. Heron	2 Gr. Bl. Hawk <sup>over Road 1500'</sup>
75 Bl. Vulture	45 Br.-w. Hawk <sup>over 1500'</sup>
	<sup>in 1 hr.</sup> 10-11 AM <sup>over road, look out</sup>

1 Cr. Caracara - 1700 over Road 1

Road 1

1 Sh.-sh. Hawk 1700' ✓

2 unid. large hawks

4 Sparrow H. <sup>S. Andes</sup> ✓6+ Pl. Chachabaca <sup>1300</sup> ✓5 Laugh. Gull <sup>L. Cat.</sup> ✓7 Red-bi. Pigeon <sup>B-A</sup> ✓

again slower hooting dove

4 Gr.-bi. Ani. - H.P.A.

2 Parakee - HPA

20 Vamp' Swift

1 Violet Sabre-wing <sup>1500</sup>1 Bl.-cr. Motmot <sup>B-A</sup> <sup>1800</sup>3 Keel-bi. Toucan <sup>1500</sup>1 Golden-Olive Wdph. <sup>1400</sup>

7 Golden-gr. Wdph.

1♀ Pale-bi. Wdph. <sup>1600</sup>1 Oliv. Woodc. <sup>1500</sup>1 Ivory-bi. Woodc. <sup>1500</sup>1 Br.-rumped Attila <sup>16-1400</sup>5 Masked Tityra <sup>16-1400</sup>3 Trop. Kingbird <sup>1600</sup>1 Streaked Flyc. <sup>1600</sup>2 Boat-bi. Flyc. <sup>1600</sup>

1 Gr. Kiskadee ?

7 Dusky-cop. Flyc. <sup>var. alt.</sup>1 W. Wood Pewee <sup>1600</sup>

6 Rough-w. Sav. B-A

2 Green Jay <sup>1500</sup>10 Brown Jay <sup>S. of B-A</sup>3 Spot-br. Wren <sup>16-1500</sup>7 Wh.-br. Wood-w. <sup>14-1600</sup>2 Wh.-thr. Robin <sup>1500</sup>8 Clay-col. Robin <sup>1600</sup>4 Bl. Gr. Gnat. <sup>1500</sup> ✓1 Gr.-head. Greenlet <sup>1600</sup>12 Red-l. Honeyc. <sup>15-1600</sup>1 Trop. Parula W. <sup>1500</sup>1 Yellow Warb. <sup>H.P.A.</sup> ✓4 Magnolia W. <sup>1500</sup> <sup>2 H.P.A.</sup>2 Bl.-thr. Gr. W. <sup>1500</sup> ✓2 Overbird <sup>1-HPA</sup> <sup>1600</sup> ✓1 Hooded W. <sup>1550</sup>

- 10 Wilson's Warbl. <sup>var. alt.</sup> ✓ 3 Yellow-r. Grosz. B-A  
 7 Gold-cr. Warb. <sup>16-1400</sup> 5 Indigo Bunt. 1-1500 ✓  
 4 House Sp. - <sup>Son.</sup> <sub>andee</sub> 1 Painted Bunt. 1600 ✓  
 100 Boat-t. Gr. - HPA <sub>etc.</sub> 3 Wh.-coll. Seedeater B-A  
 1 Melo. Blb. HPA 3 Bl.-bl. Grosz. B-A  
 1 ♀ Orchard Or. <sup>Son.</sup> <sub>andee</sub> 5 Ch.-cap. Br. Finch  
 2 Black-cow. Or. 1600 (agutty) 3-1500  
 1 Blue-gr. Tan. HPA 2-1400  
 2 Yellow-wi. Tan. <sup>16-1500</sup> 1 Olive-Sparrow 1500  
 1 Cr.-coll. Tan. <sup>1600</sup> 1 Rusty Sparrow B-A  
 1 Wh.-w. Tan. <sup>1500</sup> 3 Lincoln' Sp. B-A ✓  
 1 ♀ Bl.-h. Salt. 1500  
 1 C. Cardinal B-A

March 25, 1960 Friday

H. P. A.

6547 51277.6

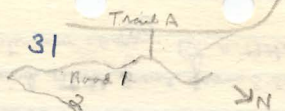
to  
B-A.

clear, fair, S-SSE wind  
6:30 - 2 PM 20-40 mph

max. temp. 90° - B-A 2 PM

high clouds - alto stratus  
+ sun ring later in day  
decreased some  
what toward  
midday

31



Worked bridge below base area on Road 2 to about 1400' in ravine on short trail to spring to NE of road. Then worked road 1 and then Trail A to where it starts to climb above 1550'. About 100 yds NW on Trail A when returning, Handed spotted howler monkey in large tree above trail. Monkey very tame - worked around in tree eating fruit, at times out of sight about 50-75' from ground. Took still photos. H. Called, sang, scouted, & worked hand-bushes but monkey took little heed except to look down at us. Finally monkey sprawled out on near horiz. limb in open over us with legs dangling & observed us. Then after about 5-10 min. it came over to smaller tree and came down & sat about 30' above us and b/c defeated & irritated. It

stayed here about 3-5 mins. & then  
went back up into larger tree & began  
to eat. Monkey made no sound  
during observation (about 1 hr.) and  
moved fairly slowly using front  
long tail. It was moving blackish  
brown into a large streak of reddish  
brown fur on each side. Behind was  
about 3<sup>+</sup> inches long. Saw White

Thrush sailing to NE over slope  
below 1500'. On return drove down  
Coyote road to just beyond  
Propaganda's nest tree (19 nests  
now, most completed) and ate  
lunch. Birds were active today

but fresh to strong wind  
hindered observation & kept birds  
in cover (at least some species).

Natives were burning brush in cleared  
areas on both west and east mountain  
slopes. Wind still fresh from S-SSE  
6 PM - L. Catesbeo chrys. Br. r. Otella

song loud clear whistles from top of  
 tall tree near midday. Bush-Finches  
 chase through undergrowth frequently. Ant-  
 Tanagers travel in small groups of 2 to 4+.  
 Honeycreepers more usually in groups of  
 up to 8-9 individuals in higher parts  
 of trees. Wood-Wrens more rapidly than  
 undergrowth almost constantly, usually re-  
 peating their piping call. Dusky-cap.  
 Flyc. frequent all levels, usually singly.  
 Spot-br. Wren is not so secretive nor  
 so active and is more easily seen.  
 Scarcity of Columbidae is puzzling.  
 Most all species of birds observed so  
 far prefer forest, trail, or road edge,  
 or tops of trees both in forest and  
 in clearings. Few species frequent dense  
 forest at lower levels. There appears  
 to be more undergrowth in the  
 dense mountain forests than I would  
 expect there to be in "tame rain  
 forest", and perhaps fewer large  
 trees. However, it may be representative  
 of R.F. as it is designated in  
 Mexico. There are abundant

epiphytes, lianas, and in many places a closed canopy. There may be less leaves now, this being the drier period of the year. The spiny (cactus) palm is abundant in lower levels of forest. There are many herbaceous plants  $\frac{1}{2}$  to  $1\frac{1}{2}$  feet in ht. thru the forest. Should there be so many in true RF? These are the east-to north slopes which should receive the most rainfall.

2 Oliv. Cormorant	1 <sup>th</sup> cat	94 Br.-wi. Hawk-migs.	89-12-15 1:15
2 Mag. Frigate-Bird		soaring over slopes	
3 Green Heron	2. cat.	1 White Hawk	
40 Snowy Egret	1. cat.	1 Osprey migs.	over slope
30 Bl. Vulture		3 Sparrow H.	
6 T. Vulture		1 Pigeon H.	over slope to E
1 Wh.-t. Kite	over	Edgema Rd. migs. W	
2 Roadside H.		10 Red-bi. Pigeon	
2 Gray Hawk	1 on slope	2 mid. parrots B-A	
1 Swainson Hawk		migs. over sh.	

- 4 Laughing Gull - L. Cat. 3-1600  
6-1500
- 200 Vaux's Swift
- 1 Violet Sabre-wing <sup>1500</sup>
- 1 Bar-tailed Tropic <sup>1600</sup>
- 1 Violaceous Tropic <sup>1400</sup>
- 1 Ringed Kingf. HPA
- 2 Keel-bi. Toucan <sup>1400</sup>
- 1 Chestnut-col. Widge. <sup>1600</sup>
- 5 Golden-fr. Widge. <sup>1500</sup>
- 1 Oliv. Woodcr. call
- 1 Br.-rump. Attila <sup>1600</sup>
- 3 Masked Tityra <sup>1500</sup>
- 2 mind. streaked Flyc.
- 1 Boat-bi. Flyc. <sup>1600</sup>
- 1 Verm.-cr. Flyc. - HPA
- 7 Bush-cap. Flyc. <sup>var. alt. 1500</sup>
- 1 W. Wood Pewee <sup>1600</sup>
- 6 Rough-w. Swallow <sup>B-A</sup>
- 2 Green Jay <sup>1500</sup>
- 8 Brown Jay
- 3 Spot-b. Wren <sup>var. alt. 50</sup>
- 4 Wh.-ls. Wood-Wren
- 9 Wh.-thr. Robin
- 2 Clay-col. Robin <sup>1600</sup>
- 1 Slate-col. Solitaire <sup>1500</sup>
- 4 Bl.-gr. Gnatc. <sup>1500</sup>
- 1 Red-eye Vireo <sup>1500</sup>  
(flavoviridis)
- 1 Gray-h. Greenlet <sup>1500</sup>
- 15 Red-l. Honeycr. <sup>var. alt.</sup>
- 1 Bl. & Wh. Warbler <sup>1500</sup>
- 1 ~~Bl.~~ Bl.-thr Gr. W. <sup>1500</sup>
- 10 Hooded W. <sup>1450</sup>
- 12 Wilson's W. <sup>var. alt.</sup>
- 4 Golden-cr. W. <sup>var. alt.</sup>
- 2 Ruf.-capped W. <sup>1500</sup>
- 4 Mont. Cuck. <sup>at nests</sup>
- 7 Giant Cowbird <sup>↑</sup>
- 200 Bronzed Cowbird <sup>HPA</sup>
- 175 Boat-t. Gr. HPA
- 7 Melod. Blb. <sup>3-1500  
4-HPA</sup>
- 4 Yell.-thr. Euph. <sup>1600</sup>
- 2 Yell.-win. Tan.

1 Cr.-coll. Ton. 1400

1 Red-cr. Ant.-Ton. 1400

4 Indigo B. ✓ 1500

40 Wh.-coll. Seed. B-A

2 Ch.-cap. Br.-F. 1500

1 Rusty Sp. B-A

1 Linden Sp. B-A ✓

March 26, 1960 Sat.

H. P. A.

74° 51289.4

B-A<sup>+</sup>

clear, fair S-SW wind 10-20 mph  
slight dew 6:30-4 PM wind shift  
max. temp 79° B-A during day to  
70° - 4 PM N + NNE

Looks like + clouding up.  
start of another 'Morte'.

Walked from B-A to Rio Amate  
& then descending on road to  
La Palma to about 100' alt.

about 2 mi. beyond (NW) of R. Amate  
Clouds coming in at B-A at 4 PM.

About 7 AM, at 1300' elev., on woods trail shortcutting across a bend in road 2 we found a Fox Squirrel across the trail. (18' when H. first saw it) It was about 5 1/2' long with a beautiful dark blackish brown + pale grayish pattern. Harold held it + controlled it with gun barrel while I photographed it. Vegetation on either side of trail is lush + dense. Snake began jaws two or 3 times + vibrated tail; also made one or two short strikes but <sup>did not seem aggressive.</sup> discovered a Banded Basilisk in a erect position in the top of a small pile of sticks + twigs among small trees in an open grazed area. Walked up to about 8' from it + photographed it. Country below Bar Amatac is rolling + much of it is cleared + under cultivation. Dense shrubs, brushy areas

and bamboo thickets <sup>+ banana plantations</sup> are scattered between corn fields. Some patches of forest are left especially on the hills. Near La Palma there appears to be more forested areas and the lower land between us and the coast seems to have considerable forest with some clearings, palms & banana areas. Bay of Santecruz is irregular in shape with heavy forest & what appears to be mangroves and some swampy areas. Clouds obscured view to westward so could not see any higher mts in Tuxtla range. Road beyond Dos Amates to La Palma is very bad in several places (mud & ruts). Found a dead scorpion (about 2" long) on road about 500' elev. below Dos Amates.



2 have been calling  
at B-A on sev. days on E & W  
into.

h. tag.

B-A  
to 400'

- |  |   |
|--|---|
| 1 Pale-bi. Wdges. 1400'                  | 6 Spot-ls. Wren                         |
| 1 Oliv. Woodcr. 1400'                    | 1 Wh-ls. Wood Wren                      |
| 4 Rufous-ls. Spintail 5-600'             | 12 Clay-col. Robin <sup>var.</sup> alt. |
| 3 Barred Antshrike 500'                  | 8 Bl.-gr. Gnat. <sup>var.</sup> alt.    |
| 2 Rose-thr. Becard 500'                  | 1 Green Shr.-Vireo 600'                 |
| 8 Masked Titra <sup>var.</sup> alt.      | 1 Red-l. Vireo <sup>alt.</sup>          |
| 30 Scint. Flyc. 300'                     | 1 Red-l. Honeycr.                       |
| 12 Trop. Kingbird <sup>var.</sup> alt.   | 2 Orange-cr. Warbl. 700'                |
| 1 Sulphur-bell. Flyc. 700'               | 1 Nashville W. 700'                     |
| 3 <del>pink</del> Priatic Flyc. 1500'    | 2 Yellow W. 300' ✓                      |
| 3 Boat-bi. Flyc. <sup>var.</sup> alt.    | 2 Magnolia W. 500'                      |
| 15 Vermil.-cr. Flyc. 200'                | 1 Nor. W. Thrush 300'                   |
| 6 Gr. Kiskadee                           | 3 Gr.-cr. Yellowthr. 500'               |
| 1 Br.-cr. Flyc. 800'                     | 1 Yell.-ls. Chat 500'                   |
| 15 Dusky-cap. Flyc. <sup>var.</sup> alt. | 1 Hooded W. 500'                        |
| 2 W. Wood Pewee B-A                      | 25 Wilson's W. <sup>var.</sup> alt.     |
| sev. unid. Empid.                        | 1 Am. Redstart ✓                        |
| 2 Gr.-ls. Martin 600'                    | 1 Golden-cr. W.                         |
| 5+ Tree Swallow ✓ 700'                   | 30 Mont. Oriole. 4-600'                 |
| 1 Barn Swallow ✓ 800'                    | 3 Giant Cowbird 500'                    |
| 1 Mangrove Sw. 500'                      | 25 Br. Cowbird 600'                     |
| 4 Green Jay <sup>var.</sup> alt.         | 175 Boat-t. Gr. 600'                    |
| 15 Brown Jay 5-700'                      |   |

36

- |  |   |
|--|---|
| 15 Melod. Blb. 800'                                  | 30 Indigo Bunt. 800' ✓                          |
| 2 Orchard Oriole 500'                                | 9 Yell.-face Gros. <sup>400+600</sup> B-A ✓     |
| 5 Yell.-thr. Euph. 300-600'                          | 20 Wh.-coll. Seel. <sup>4-600</sup> B-A.        |
| 4 Blue-Gr. Tan. 300'                                 | 6 Bl.-bl. Grosz. 600'                           |
| 4 Yell.-wi. Tan. <sup>var.</sup> alt.                | 2 Dark-b. Goldf. <sup>(11)-600</sup> (11) B-A   |
| 1 Cr.-coll. Tan. 500'                                | 2 <sup>+</sup> Olive Spar. <sup>1500</sup> 600' |
| 1 Red-cr. A.-Tan. 1500                               | 1 Rusty Spar. 600'                              |
| 1 Gr.-head. Tan. 600'                                | 10 Junco Spar. <sup>B-A</sup> 600' ✓            |
| 5 <sup>+</sup> Buff.-thr. Salt. <sup>var.</sup> alt. |   |
| 2 Grayish Salt. 700'                                 |   |
| 12 Bl.-face. Gros. <sup>500</sup>                    |   |
| 3 C. Cardinal 600'                                   |   |

March 27, 1960 Sun. H.P.A.

6:30-8 AM 51298.0 <sup>66°</sup> to B-A  
 70% clear, fair but <sup>5-20</sup> wind N-NNE  
 heavy bank of clouds to north  
 and study area & entire Grey slope obscured  
 by clouds making observation, except  
 at close range and at low levels,  
 impossible. Worked till about 8 AM  
 on road 2 to about 1500 feet & the

drove down to Coyane and back to  
H.P.A. at 1 P.M. <sup>(A)</sup> Birds were fairly numerous  
and active, even in fog. Coyane road  
and most of lake mainly clear and sunny,  
clouding over more in P.M.

3:45 - 7:00 P.M. 5 of Cateracos on Canyon  
road for 10 miles. To good bird raising  
on left side of road (1600' elev.) <sup>(return)</sup> <sup>(B)</sup>  
return.

1 Ruf. Tinamou A	8 T. Vulture
<del>40</del> Least Grebe - L. Cat.	2 Roadside H. A
8 P.-vi. Grebe	1 Br.-wi. H. A ✓
45 Oliv. Cormorant	1 Cooper's H. A ✓
2 Gr. Heron	3 Gray Hawk A-2 B-1
2 L. Bl. Heron A	1 Laughing Falcon A
1 Com. Egret A	9 Sparrow H. ✓
35 Snowy Egret L. Cat.	1 pr. Pigeon H. L. Cat.
1 Tricolored Heron A	14+ Pl. Chachalaca
3 Blue-w. Teal L. Cat. B	35 Am. Coot - L. Cat.
60 Lsr. Scaup ✓	1 C. Gallinule ✓
30 Ruddy Duck ✓	3 Am. Jacana A
30 Bl. Pulture	45 Red-bi. Pigeon
	1 R. Ground Dove

30 Laughing Gull ✓

15 Gull-bi. Tern ✓

3 Royal Tern ✓

37

L. Cat. - So. end

2 mind. large parrots A

25 Gr.-bi. Ani A

1 juv. Isr. Nighthawk <sup>S of B-A</sup>

1 Vaux's Swift

2 Violet Sabrewing A

1 Rufous-t. Hummer (B)

10 mind. hummer

1 Bar-t. Trogon

1 Violaceous Trogon A

1 Ringed King L. Cat.

1 Blue-cr. Motmot A

2 Keel-bi. Toucan A

1 Golden-olive Wdph (B)

17 Golden-fr. Wdph.

1 Ivory-bi. Woodc. <sup>1500</sup>

1 Rufous-br. Spintail A

1 Banded Antshrike A

1 Br.-r. Attila <sup>S 1500</sup>

2 Rose-fr. Becard (B)

5 Masked Tityra A

1 Black. Phoebe L. Cat.

20 Sc.-tail. Flyc. A

8 Trop. Kingb. <sup>1-(B)</sup>

3 Pirate Flyc. A

4 Boat-bi. Flyc.

12 Vermil.-cr. Pigeon

6 Gr. Kiskadee A

10 Busby-c. Flyc.

1 Gr. Crested Flyc. ✓ A

4 Rough-wi. Sw.

1 Mangrove Sw. A

60 Brown Jay

2 Green Jay 1500'

1 Band-b. Wren (B)

9 Spot-br. Wren

3 Wh.-br. Wood-Wren.

10 Clay-col. Robin <sup>4-1500</sup> (B)

5 Bl.-gray Gnat. ✓

1 Wood Thrush <sup>1600</sup>

10 Cedar Waxwing <sup>S of B</sup>

1 R.-br. Pigeon (B)

2 Red-bellied Nighthawk 1500'

1 Bl. + wh. Warbler ✓ 1500

1 N. Parula W. (B) ✓

2 Magnolia W. (B) ✓

1 Yellow W. A ✓

2 Myrtle W. 1 - A ✓

6 Gray-cr. Yellowthroat. A

1 Cow Yellowthroat. (B) ✓

1a Wilson's W. ✓

3 Amer. Redstart (B) ✓ 1600

1 Gold-cr. W. 1600

30 Mont. Grosbeak A

1 Yell.-br. Cuckoo 1600

4 Giant Cowbird A

75 Bronzed Cowbird A

60 Boat-t. Gr. A

30+ Melod. Blb. (B) A

2 Yellow-tail. Oriole (B)

2 Orchard Oriole A

3 Yellow-thr. Englem. (B)

10 Yell.-wing. Tan.

unid. Ant-T.

5 Buff-thr. Suetator (B)

2 Grayish Salt. (B)

15 Indigo Bunting ✓ A

2+ Blue-bl. Grass.

1 Bl.-bl. Grass. 1500

4 Yell.-face. Grass. A

100 Wh.-coll. Suetator

2 Ch.-cap. Br.-Finch 1500

(offshore)

4 Olive Sp. 2-1600

2 Rusty Spar. 1600

A

7 Lincoln Sp. ✓

March 28, 1960 Mon.

HPA

51345.1 cond fair, clear to  
few clouds to north B-A

B-A 7:AM. 69° 3PM max. 86°

clouds rapidly dissipated on slopes but it remained partly cloudy most of day. Worked down road 1 to end and then up trail A to 2200' elev. Howler monkey was roaring about 7 AM but soon ceased. Did not observe it. At 2000' elev. on Trail A I succeeded in calling up one and possibly two <sup>slat-bird</sup> ~~highland~~ Tamarins about 10:00 AM. By repeated answering calls for about 10-15 min. one came in from the W (approx. 3-400 yds) and approached to 20 ft. I could hear its feet rustling on forest floor before I saw it. Bird walked around for few seconds looking at me and then made off. A few minutes later I saw probably another running thru the forest a few yards above and to the east. Had heard two calling from opposite directions and heard them afterwards not far away. Harold found a small snake under a log about 2000' up. It was black with a rust color

patch on head. At about 1500' on road  
I about 300 yds from B-A I saw a 1:30 PM  
large animal on a fallen (cut) tree  
at the edge of a dense section of  
vegetation at the forest edge. It  
was going large (total  $3\frac{1}{2}$ -4 ft)  
with medium length to short legs,  
a going blunt head profile and  
a long tail (about  $1\frac{1}{2}$  feet). It  
appeared all black except for the  
head which was mostly grayish  
white. It ran rapidly along the  
tree trunk and turned into the  
dense underbrush where I could  
hear it moving. We squeaked  
but it did not appear again. a **Tayra!**  
Cutting is progressing on the lower  
slope (SE) of the east mountain  
and a magnificent tree which  
towered over the forest is down.  
A sorry sight to see such  
destruction. Also saw a beautiful

green  
squirrel  
at B-A

- |                       |                      |                          |                 |
|-----------------------|----------------------|--------------------------|-----------------|
| 4 Rufes. Tinamou      | 1300<br>1600<br>2000 | 2 Ringed Kingf.          | L. Cat.<br>soft |
| 1 Least Grebe         | L. Cat.              | 1 Tody Motmot            | 2000<br>TA-A    |
| 2 Oliv. Cormorant     |                      | 1 Blue-cr. Motmot        | 1800<br>B-A     |
| 5 Green Heron         |                      | 1 Keel-bi. Toucan        | 1600            |
| 1 L. Blue Heron       |                      | 1 Golden-fr. Widge.      |                 |
| 20 Snowy Egret        |                      | poss. Ivory-bi. W. coll. |                 |
| 8 Bl. Vulture         |                      | 1 Barred Antbird         | 2.4<br>B-A      |
| 4 T. Vulture          |                      | 2 Br.-rump. Attila       | 1500<br>2-B-A   |
| 1 Roadside H.         |                      | 4 Masked Titja           | 1500            |
| 1 Gray H.             | B-A                  | 2 Trop. Kingb.           |                 |
| 1 White Hawk          | 1800<br>TA-A         | 1 Piratic Flyc.          | 1600            |
| 3 Sparrow Hawk        | ✓                    | 2 Boat-bi. Flyc.         | 2-B-A           |
| 10+ Pl. Chachalaca    |                      | 6 Vermil.-cr. Flyc.      |                 |
| 2 Laughing Gull       | L. Cat.              | 1 Gr. Kiskadee           | 1600            |
| 10 Red-bi. Pigeon     |                      | 1 Gr. Crested Flyc.      | 1500            |
| 2 Short-bi. Pigeon    | 1400<br>1500         | 8 B.-cap. Flyc.          | non.<br>acc.    |
| 1 Inca Dove           | HPA                  | 1 W. Wood Pewee          | B-A             |
| 1 Squirrel Cuckoo     | 1500                 | 2 Yell.-bell. Tyrann.    | TA-A<br>1600    |
| 1 Pouraue nite before | HPA                  | 10 Rough-wi. Sw.         | B-A             |
| 12 Vamp. Swift        |                      | 3 Tree Swallow           | L. Cat.         |
| 10 unid. hummer.      |                      | 1 Mangrove Sw.           |                 |
| 1 Bar-tail Trogon     | 1500                 | 4 Green Jay              | 1600<br>1500    |

14 Brown Jay <sup>57</sup> B-A	6 Orchard Oriole B-A
5 Sp.-br. Wren <sup>1500</sup> 1600	1 Bl.-crowned Oriole B-A
7 Wh.-br. Wood-Wh. <sup>1500</sup> 1800	1 Yell.-thr. Euphonia 1600
4 Wh.-thr. Robin <sup>1600</sup> 1-Tn A 1600	
10 Clay-col. Robin <sup>1600</sup>	2 Blue-gray Tan. B-A
1 Sl.-col. Solitaire 1800	6 Yell.-wing Tan. 15-1600
4 Bl.-gray Gnat. <sup>1500</sup>	1 Wh.-r. Tan. 1600
1 Catbird 1600	1 Red-cr. Ant-T. 1500
1 Yell.-gr. Vireo 1500	1 Bl.-face. Grosb. 1500
1+ Gray-h. Grosbeak <sup>2000</sup> 1500	1 Bl.-bel. Grosb. B-A
30 Red-l. Tanager 1500	20 <del>Yell.</del> Wh.-coll. Tanager <sup>45</sup>
2 Bl.-thr. G.W. <sup>1500</sup> 2000	3 Bl.-bl. Grosb. B-A
1 C. Yellowthr. B-A	4 Indigo Bunt. <sup>10</sup> B-A 1500
2 Gray-cr. Yellowthr. B-A	1 Painted B. 1600
1 Am. Redstart 1600	1 Olive Spar. <sup>1600</sup>
6 Gold.-cr. W. <sup>1500</sup> 2000	1 Rusty Spar. B-A
2 Rufous-cr. W. B-A	20 Lincoln Sp. B-A
1 1/2 Hooded W. 1400	one group feeding mostly on our grain
10 Wilson's W. <sup>var.</sup> alt.	
2 M. Oropendola 1600	
200 Boat-t. Gr. <sup>57</sup> B-A	
4 Marooned Bel. B-A	

40

March 29, 1960 Tues H. P. A.

fair, clear 51 35 3.8 B<sup>+</sup>A.

71° F 6:30-12:00 on Coyote Rd

max. 89° F - noon, for lunch & to

wind S-SSW 15-35 mph. with slight

decrease during day. Hazy later in

day as usual. Wind changed

observation and hearing of sounds.

Birds did not appear to be quite as

active as they have been at times

in cooler, calmer weather. Worked

down road 2, also on trail to spring,

down Trail B to Dos Amates, and

from trail B westward on two trails

which led to road 1. Worked from

Dos Amates on road 3, <sup>between two Sahm hills,</sup> W and N for

about 3/4 mile - here (1000-1200) corn

fields, pasture, and scrub forest. The

higher hills are forested to the west but

V.S.M. is not visible. There are con-

siderable sections of dense bamboo on

the two subtrails to the W. egg trail.

B. These sections appeared to have relatively few birds in them compared to the thin broadleaf vegetation. Found a large leaf cutting ant hill in a clearing on one of these trails (about 6-8 ft diam.) and others on trail B. Natives appear to take advantage of <sup>fresh</sup> south winds in order to burn vegetation in areas they have cut.

2 Rufes. Tanager <sup>1100</sup>	6 Laughing Gull <sup>L. Cate.</sup>
6 Oliv. Cormorant <sup>L. Cate.</sup>	6 Red-bi. Pigeon
6 Green Heron <sup>HPA</sup>	1 Sh.-bill. P.-heron?
2 L. Blue Heron <sup>L. Cate.</sup>	1 Inca Dove <sup>HPA</sup>
40 Snowy Egret <sup>L. Cate.</sup>	3 R. Ground Dove <sup>1-2<sup>1/2</sup> Ex</sup>
4 Bl.-ck. R. Heron	8 Gr.-bi. Ori. <sup>↑</sup>
20 Bl. Vulture	1 Gr.-br. Mango <sup>1300</sup>
8 T. Vulture	1 Rufous-t. H. <sup>1000</sup>
1 Broad-w. N. <sup>our slope</sup>	1 Bl.-t. Trogon <sup>1400</sup>
1 Sharp-sh. H. <sup>"</sup>	1 Ringed Kingf. <sup>L. Cate.</sup>
3 Cr. Caracara <sup>2-7"</sup>	1 Keel-bi. Toucan <sup>1400</sup>
3 Sparrow N. <sup>5-8"</sup>	6 Golden-ey. Wren <sup>nan. act.</sup>
6+ Pl. Chachalaca <sup>4-slope</sup>	1 Ruf.-br. Spintail <sup>1100 Rd. 3</sup>

- |  |  |
|--|--|
| 1 Barred Antshrike <sup>J of</sup> B-A                       | 5 <sup>+</sup> M. Oriopendola <sup>nest - Coyana Rd.</sup> |
| 1 Br.-r. Attila 1600   | 50 Br. Coubird HPA   |
| 1 Sc.-t. Flyc. <sup>✓</sup> HPA                              | 150 Boat-t. Gr. HPA  |
| 2 Boat-br. Flyc. 1000  | 2 Mel. Blbr. HPA   |
| 4 Vermil.-cr. Flyc.  | 1 Orchard Oriole <sup>✓</sup> 1000                         |
| 2 Gr. Kiskadee HPA   | 4 Yell.-wi. Tan.   |
| 1 Br.-cr. Flyc. 1000   | 1 Blue-bl. Grosb. 1500                                     |
| 3 W.-cap. Flyc. <sup>was. det.</sup>                         | 10 Indigo Bunt. <sup>✓</sup> 1000                          |
| 1 Gr.-cr. Flyc. <sup>✓</sup> <sup>Coyana Rd.</sup>           | 2 Yell.-face Gr. 1000                                      |
| 8 Rough-wi. Sw. <sup>B-A</sup> 1000                          | 2 Whitecoll. Seel. 1100                                    |
| 2 Green Jay 1400   |  |
| 33 Brown Jay 1000  |  |
| 5 Spot-br. Wren 1000   |  |
| 5 Wh.-ls. Wood Ws. 1000                                      |  |
| 2 Cley.-col. R. HPA  |  |
| 1 Bl. Gray Gnat. <sup>1100</sup> <sup>Rd3</sup> <sup>✓</sup> |  |
| 1 Yellow-gr. Vireo 1400                                      |  |
| 1 Red-l. Hanger.   |  |
| 1 Bananaquit 1000  |  |
| 5 Wilson's W. <sup>✓</sup>                                   |  |
| 8 Golden-cr. W. <sup>was. alt.</sup>                         |  |

very poor day  
for birds.

winds were  
too high  
and day was  
very hot, and  
we spent consid.  
time in bamboo  
thickets.

March 30, 1960 Tues. HPA

fair, clear 76°<sup>to</sup>

51 365.6 wind <sup>at 5000' S 15-10</sup> <sup>then N-NE 5-20</sup>

6:15 - 3PM max. temp. 80° (3PM)

Grackles, roosters start calling  
between 4 and 5 AM joined by Clay-col.

Robins + Paraguas. At first  
clear but by 8-9 AM fog from our bay  
& lowlands was moving up on slopes  
until it reached over 2000'. By 11:30  
PM the mist became broken and by  
3 PM it was partially clear with higher,  
cumulus clouds. (Thin) + some mist.

Birds were very active and there was  
considerable song. We walked Road 1  
to Trail A and up trail A to NW  
clearing trail, down this + back  
on + trail A up to 2100' + return  
to B-A. Howler monkey was sitting  
in tree just to NW of place we  
saw it before on trail A and it  
came down to about 45 feet above

we and watched - very curious, cutting  
 continues on E. mountain base at C-A  
 and trees could be heard falling  
 about every 10 minutes. Short-bi.  
 Pigeons heard calling and also  
 'guttering'; one pair seen together -  
 first time. Two Golden Gr. W. & Gr.  
 copulating. Attila sings regularly  
 now. At 2100' in heavy low forest  
 a Buff-shr. Foliage-gleaner appeared  
 quite expected - possibly a nest but  
 likely because it was startled.

3 Rufesc. Tanager	1400	8+ Pl. Chachalaca	3 yrs. on slope
1 Least Grebe	L. Cate.	4 Laughing Gull	L. Cate.
7 Oliv. Cormorant		6 Red-bi. Pigeon	
6 Green Heron	HPA	5 Short-bi. Pigeon	1500 1400
40 Snowy Egret	L. Cate.	1 Inca B. HPA	
20 Bl. Vulture		2 Ruddy Gr. B. C-A	
6 T. Vulture		1 Wh. Fig. Dove	1500
2 Sharp-sh. H.	our slope	25 Vaux's Swift	
38 Broad-w. H.	rest		4-8:30 1:00-3PM
2 Gr. Bl. Hawk		2 Long-t. Hermit	1300 1400

- |                                  |                                   |
|----------------------------------|-----------------------------------|
| 1 Violet Sabre-wr. 1300          | 1 Yell.-bell. Flyc. 1300          |
| 2 Bar-tail. Trogon 1400          | 13 Rough-wr. Sar. 1400 B-A        |
| 1 Violaceous Trogon 1400         | 1 Mangrove Sw. HPA                |
| 1 Ringed King HPA                | 2+ Green Jay 1800                 |
| 2 Blue-cr. Mtn. 1500             | 12 Brown Jay                      |
| 2 Emerald Toucanet 1400          | 4 Band-b. Wren 1300 B-A           |
| 1 Keel-bi. Toucan 1400           | 5 Spot-br. Wren var. alt. 1300    |
| 3 Gold-olive Wdg. B-A 1400       | 1 So. House Wren B-A              |
| 3 Gold-gr. Wdg. 1600             | 7 Wh.-br. Wood Ws. var. alt. 1600 |
| 1 Olivaceous Woodcr. 1300        | 2 Wh.-thr. Robin 1700             |
| 3 Ivory-bi. Wdphs. 1700 B-A 1300 |                                   |
| 1 Buzz-thr. Fol-Gl. 2100         | 6 Clay-col. Robin 2-1600          |
| 1 Barred Antthr. B-A             | 1 Sl. col. Solit. 1700            |
| 1 Br.-rump. Attila 1400          | 1 Green Shr.-Vireo 1400           |
| 4 Masked Tityra B-A 1400         | 3 Yell.-gr. Vireo 1400            |
| 6 Sc.-tail. Flyc. HPA            | 1 Gray-head. Gr. 1400             |
| 2 Trop. Kingb. B-A               | 10 Red-l. Honeycr. var. alt. 1500 |
| 4 Boat-bi. Flyc. 1300 1600       | 2 Bananaquit 1600                 |
| 2 Gr. Kingfisher B-A             | 1 Bl. & Wh. Warbler 1400          |
| 4 Dusky-cap. Flyc. var. alt.     | 2 Bl.-thr. Gr. W. 1400            |
| 1 W. Wood Pewee B-A              | 1 Magnolia W. 1600                |

43

- |  |                                     |
|--|-------------------------------------|
| 1 Worm-eating W. <sup>Wood</sup> 1500    |                                     |
| 2 Gray-cr. Yellowthr. <sup>B-A</sup>     | 4 Ches.-cap. Bl.-F. <sup>1400</sup> |
| 10 Wilson's W. <sup>var. act.</sup>      | (agrestis) 1600                     |
| 1 Am. Redstart <sup>1400</sup>           | 3 Olive Sparrow <sup>1600</sup>     |
| 10 Golden-cr. W. <sup>var. act.</sup>    | 1 Rusty Sparrow 1600                |
| 2 Rufous-cap. W. <sup>B-A</sup>          | 7 Lincoln Sp. <sup>B-A</sup>        |
| 8 Mt. Oropetola <sup>B-A</sup>           |                                     |
| 80 Br. Cowbird HPA                       |                                     |
| 150 Boat-t. Gr. <sup>4-B-A</sup>         |                                     |
| 6 Melo. Blb. <sup>3-B-A</sup>            |                                     |
| 3 Bl.-cove. Oriole 1600                  |                                     |
| 2 Yell.-thr. Eng. 1500                   |                                     |
| 2 Blue-Gray Tan. HPA                     |                                     |
| 8 Yell.-wi. Tan. <sup>6-alope</sup> 1500 |                                     |
| 4 Red-thr. Ant-Tan. 1600                 |                                     |
| 6 Bl.-faced Gr. 1600                     |                                     |
| 2 C. Cardinal B-A                        |                                     |
| 8 Indigo Bunt <sup>1400</sup>            |                                     |
| 1 Blue-bl. Grosb. 1600                   |                                     |
| <del>Yell.-faced Gr.</del>               |                                     |
| 20 Wh.-thro. Seede <sup>B-A</sup>        |                                     |
| 5 Blue-bl. Grassq.                       |                                     |

March 31, 1960 Thurs. HPA

51374.3 67° A to B-A

fair, cloudy early, clearing by 9:10 AM  
6:15 - 1:00 PM

• 2 rise barometer overnight.

Max. temp. 85° 1 PM <sup>0-A</sup> wind 0-15 mph S-SW.

Worked down road 1 to Trail A, up trail A, and then NW on Trail A to junction with clearing trail, down clearing trail and then return same route to B-A. Birds were quite active and singing. Howler monkey was roaring at 6:15.

to S.A. and S. Turtles  
2-5 PM

3 Rufescent Tanager <sup>1400</sup>	1 White Hawk 1500
4 Least Grebe L. Cat.	1 Gr. Bl. Hawk <sup>1800</sup> above GA
8 Oliv. Cormor. }	10+ Pl. Chachalaca 13-1700
6 Green Heron HPA	1 Laugh. Gull L. Cat.
25 Snowy Egret L. Cat.	3 Red-bi. Pigeon <sup>1500</sup>
100 Bl. Vulture	3 Short-bi. Pigeon <sup>15-1600</sup>
8 T. Vulture	1 Inca Dove HPA
1 Wh.-t. Kite - <sup>lower</sup> about 60' in air	road 3.5 mi. W of Gatun
2 Br.-wi. H. 1500	2 Ruddy Gr. B. <sup>HPA</sup> + 3 ind.

44

found 7'10" Indigo Snake D.O.R. (same  
day) 2.5 mi. E of Santiago T.

1 Purpleish-b. Quail-Buss 1700' Trail A

2 Green Parakeet 2 mi. W S.A.T.

2 mid. large parrots B-A over E mt.

1 Squirrel Cuckoo 1300 1 Gr. Kinglet B-A

6 Gr.-br. Ani S.A.T. 6 W.-cap. Flyc. <sup>var.</sup> <sub>act.</sub>

4 Parakeet HPA 1 W. Wood Pewee B-A

10 Vaux's Swift <sup>over</sup> <sub>slope</sub> 15 R.-wi. Swallow <sup>3-B-A</sup>

1 Bar-tail. Trogon 1600 2<sup>+</sup> Green Jay 1700

3 Violaceous Trogon <sup>1600</sup> <sub>1400</sub> 15 Brown Jay <sup>2-B-A</sup>

3 Blue-cr. Motmot <sup>B-A</sup> <sub>1200</sub> 5 Spot-br. Wren <sup>14-1600</sup>

1 Emerald Toucanet <sup>Trail A</sup> <sub>1500</sub> 7 Wh.-br. Wood Wren <sup>13-1600</sup>

1 Golden-olive Wdg. <sup>1500</sup> 5 Wh.-thr. Robin <sup>16-1700</sup> <sub>1-B-A</sub>

3 Golden-gr. Wdg. <sup>1500</sup> <sub>1600</sub> 10 Clay-cd. Robin <sup>2-1600</sup>

1 Oliv. Woodc. <sup>Trail A</sup> <sub>1600</sub> 1 Sl. col. Solitaire 1900

2 Ivory-bi. W. 1600 2 Yellow-gr. Vireo <sup>1500</sup>

1 Banded Antthr. <sup>B-A</sup> 1 Gray-head. Gr. 1500

1 Scaled Antpitta <sup>Trail A</sup> <sub>1700</sub> 15 Red-l. Honeyc. <sup>15-1600</sup>

2 Br.-r. Attila <sup>14-1600</sup> 2 Bananaquit <sup>B-A</sup> <sub>1600</sub>

8<sup>+</sup> Masked Tityra <sup>14-1600</sup> 1 Worm-eating W. <sup>Road 1</sup> <sub>1500</sub>

1 Sciss.-t. Flyc. <sup>B-A</sup> 1 Trop. Parula W. 1600

2 mid. streaked flyc. <sup>B-A</sup> 1 Magnolia W. <sup>HPA</sup>

4 Boat-bi. Flyc. <sup>1600</sup> 2 Bl.-thr. Gr. W. <sup>1500</sup>

- Trail A  
 1 Wood Thrush 1600  
 1 Hooded W. 1400  
 1 C. Yellowthroat B-A  
 2 Gray-cr. Yellowthroat <sup>S.A.</sup> B-A  
 4 Wilson's Warbler <sup>var.</sup> act. 3 Yell.-thr. Euphonia 1600  
 8 Golden-cr. W. 15-1700 2 Bl.-gr. Tan. HPA.  
 2 Ruf.-cap. W. <sup>Rd. 1</sup> 1500 5 Yell.-wing. Tan. 1600  
 7 Mont. Oriole B-A 1 Gr.-coll. Tan. 1600  
 5 Giant Cowbird - flying over Road 1 1600'  
 100 Bronz. Cowbird L. cat. 1 Red-cr. Ant.-Tan. 1600  
 150 Boat-t. Gr. (sev. others)  
 2 Melo. Belbird. B-A 7 Bl.-face. Grosb. 1500  
 5 Indigo Bunt. 1500 1 C. Cardinal B-A  
 1 Painted B. 1600 4<sup>+</sup> Wh.-coll. Seede. B-A  
 4<sup>+</sup> Chas.-cap. Br.-F. 1600 2<sup>+</sup> Bl.-bl. Grosz. B-A.  
 (apertures)  
 one has the gray of  
 sides extending more  
 toward center of breast  
 leaving little white apparent.

April 1, 1960 Frid. HPA

to  
B-A.

5/424.6 fair, clear, wind S-SW 15-40  
 barometer V.2 temp. 78°  
 6:15 - 12:15 ← 89° - B-A.

45

This was a very windy day. Also there was less below BA and around Cerro, it was still strong enough that there was little singing and little could be heard. It was also very difficult to see movement as foliage, even on north + NE side of mountain, was moving so much. From 12:15 to 1:20 we drove down Cataratas Rd. 1.5 mi. to have lunch. Between 12:30 + 1:15 we had 317 Broad-winged Hawks moving fast and quite high over ridge to N + S of it. They did little soaring when in view but kept in a fast glide. Worked along road 1 to trail A, then on trail A, and then NW and up on Trail A to top of Cerro Norte 2200'. Although there are some medium size trees the top of the cerro is covered mainly with low, rather dense trees + shrubs. The top is fairly level or slightly rounded for about 40-50' in diameter. A view can be obtained to the S to Cerro

"Sud", appearing to be about 300 yds  
away and 100 feet higher. A view  
toward the W and NW can be gained  
to the next peak which appears to  
be at least a mile away. Unbroken  
heavy forest continues to the south  
peak thru a "saddle" (about 200' in  
length) and to the cove to the west,  
the latter several hundred feet  
higher than Cerr. 'Norte'.

- |                                       |  |
|---------------------------------------|--|
| 1 Rufes. Tanager <sup>1500</sup>      | 2 Sparrow Hawk ✓                         |
| 6 Least Grebe <sup>L. Cat. HPA</sup>  | 2 Am. Coot - L. Cat. NW                  |
| 4 Pink-b. Grebe                       | 1 Inca Dove HPA                          |
| 4 Oliv. Cormor. }                     | 3 Ruddy Gr-Bon HPA                       |
| 6 Green Heron }                       | 4 Green-bi. Ani - <sup>37</sup> HPA      |
| 12 Snowy Egret }                      | 10 B. Vamp's Swift <sup>over</sup> slope |
| 25 Bl. Vulture                        | 12 Gr.-br. Mango HPA                     |
| 5 T. Vulture                          | 1 Bar-t. Trogon 1400                     |
| 2 Sharp-sh. H. <sup>over</sup> slope  | 1 Violaceous Trog. 1500                  |
| 319 Broad-w. H. <sup>over</sup> slope | <u>in Yaks.</u>                          |
| 1 Gray Hawk - Coyote rd.              | 1 Ringed King <sup>L. Cat. NW</sup>      |
| 1 White Hawk 1800                     | 1 Keel-bi. Toucan 1700                   |

## 3 Laughing Gull L. Cate ✓

Walked N along shore L. Cate-meco  
4-5:30 PM from HPA.

- |                                      |                                     |
|--------------------------------------|-------------------------------------|
| 1 Golden-olive Wdgs. 1600            | 1 Bl. + Wh. Warbler 1500 ✓          |
| 4 Golden-fr. Wdgs.                   | 1 Trop. Parula W. 1800              |
| 1 Oliv. Woodc. 1600                  | 1 Magnolia W. HPA ✓                 |
| 5 Masked Titmouse 1600               | 1 Bl.-thr. Gr. W. 1500 ✓            |
| 2 Boat-bi. Flyc. 1600                | 1 Ovenbird HPA ✓                    |
| 2 Vermil.-cr. Flyc. HPA              | 1 C. Yellowthro. ✓                  |
| 3 Gr. Kinglet 1600                   | 1 Hooded W. 1800 ✓                  |
| 7 Dusky-cop. Flyc.                   | 4 Wilson's W. <sup>not</sup> act. ✓ |
| 1 W. Wood Pewee 1500                 | 7 Golden-cr. W. <sup>to 2000+</sup> |
| 5 Rough-wi. Swallow <sup>3-B-A</sup> | 4 M. Oriole <sup>Coyote</sup>       |
| 2+ Green Jay 15-1700                 | 50 Boat-t. Gr. HPA                  |
| 15 Brown Jay                         | 2 Melod. Blb. ↑                     |
| 7 Spot-br. Wren 14-1600              | 7 Orchard Oriole HPA ✓              |
| 6 Wh.-br. W. Wren 14-2000            | 2 Baltimore Oriole ✓                |
| 1 Ss. House Wren B-A-S.              | 2 Yell-thr. Engl. 1600              |
| 3 Clay-col. R. HPA                   | 2 Bl.-gr. Tanager HPA               |
| 1 Ss.-br. Sol. 1900                  | 3 Yell-wi. Tan. 1600                |
| 1 Bl.-gr. Gnat 1500 ✓                | 1 Red-thr. Ant Tan 1500             |
| 2 Yell-gr. Vireo 1400                | sev. other birds.                   |
| 1 Gray-h. Green. 1500                |                                     |
| 30 Red (L.) Tanager 15-1600          | 1 Bl.-face. Gnat. 1500              |
| 1 Bananaquit 1800                    | 1 Blue Grosb. HPA ✓                 |

- 6 Indigo Bunting <sup>3-1500</sup> HPA  
 1 ~~Painted Bunt.~~ <sup>HPA</sup>  
 3 Yell.-fac. Gros. B-A  
 7 Wh.-coll. Seed. <sup>2 B-A</sup> HPA  
 4 Bl.-bl. Gros. HPA  
 8 Wark-b. Gros. ↑

1 Lincoln Sp. 1400

April 2, 1960 Sat.

HPA

fair, clear

B-A

76° 51, 436, 5

6:15 - 11:30

to Coyam Rd

wind S-SSE 10-20

+ lunch tree to 2:00

temp. 86° at 11:30

90° in shade

shade

clouds - fog rise

- along N slope about 8AM + again at 1 PM - due to updraft from south side, land insolation and cooler ocean + Senterosya Bay? Worked Road 1 to end, Trail A1 in part, and Trail A to 1600' just before abrupt rise. Then down

47

B-A - 75 yds wide min.  
100+ yds wide max. between steep slopes

South cross trail from Lookout, up  
Trail B to Road 2 and B-A. Also  
down spring trail. Wind, although  
fresh, did not restrict observation  
as much as yesterday. Most birds  
along Trail B. 3:30 - 5:30 PM  
walked north along S. Lateral  
above from HPA for about 1/2 mi.  
Many birds in evidence as there  
were yesterday. Thousands Hawk  
sight from Lone Tree (about  
1 mile SE from B-A) on Coyote Rd.  
from 11:55 to 12:50 - over 5000.  
Hawks passed over ridge, mostly  
on N side trading WNW. They  
were mostly all Broad-wings. They  
would build up in large flocks over  
one to three points (thermals)  
and then set-glide WNW - a  
wonderful and exciting sight. 1000  
passed in about 5 minutes. Have  
seen squirrels at various times.

mostly the gray type - would  
be more than one.

Flushed two  
dark tailed doves from road 1.

They very likely were Quail Doves.

3 Rufous. Pinnace	14-700	1 Amer. Coot	L. Cat.
5 Least Grebe	L. Cat. NW	4 Laughing Gull	
12 Pied-b. Grebe		2 Gull-bi. Tern	
8 Oliv. Cormorant		1 Red-bi. Pigeon	
8 Green Heron		2 Short-bi. Pigeon	1600
3 Little Bl. Heron		5 Inca Dove	HPA
55 Snowy Egret		8 R. Ground Dove	3-B-A HPA
1 Gr. Blue Heron		1 Gr.-bill. Ani	
40 Bl. Vulture		1 Parakeet	HPA
10 T. Vulture		20 Vamp's Swift	over 1500
3 Sh.-sh. Hawk	2 over area	1 Long-t. Hermit	1500
500+ Broad-wi. Hawk		1 Violet Sabre-wi.	-1500
50 Swainson's Hawk		1 Green-bi. Mango	HPA
1 Roadside Hawk	Coyana Rd.	4 Bar-t. Trogon	14-1600
1 Osprey	Coyana Rd.	3 Violaceous Trogon	14-1600 Coyana Rd.
5 Sparrow H.		2 Ringed King	H. Cat.
1 Aplomado Falcon		1:30 - going E	over Coyana Rd.
4+ Pl. Chachalaca		2 Bl.-cr. Motmot	14-1700

- 2<sup>+</sup> Colared Aracari 1500  
 2 Golden-bl. Wdg. 1400  
 8 Golden-gr. Wdg. 1500-1600  
 1 Oliv. Woodc. 1400  
 1 Gray-li. Wdg. 1400  
 1 Buff-thr. Fol. Gl. 1400  
 3 Bl. rump. Attila 1500  
 6 Masked Tit 15-1600  
 2 Trop. Kingl. 500  
 1 prob. Sul. - bell. Fz. B-A  
 7 Gr. Kiskadee 1400-5  
 1 Gr. Cr. Flyc. 1400  
 6 B. - capp. Flyc. 1400  
 1 W. Wood Pewee 1500  
 8<sup>+</sup> R. - wing. Sw.  
 2<sup>+</sup> Green Jay 14-1600  
 20 Brown Jay 1-B-A  
 6 Spot-br. Wren 1-L. Cat.  
 7 Wh.-br. W. Wren 1400  
 1 C. Mockingbird 1400  
 10 Wh.-thr. P. 1500  
 8 Clay-col. Robin 1400
- 3 Yell-gr. Vireo 1400  
 5 Gray-h. Grackl. 1500  
 25 R.-l. Honeyc. 15-1600  
 1 Bl. + wh. W. 1400  
 1 Bl.-thr. Gr. 1500  
 3 Magnolia W. 1400  
 1 La. Waterthrush 1400  
 1 Gray-cr. Yell. - B-A  
 1 Yell-br. Chat 1600  
 9 Wilson's W. 1500  
 2 Am. Redstart 1500  
 10 Gold-cr. Warb. 1500  
 4 Ring-cop. Warb. 1500  
 4 M. Oropendola 1500  
 3 Giant Comb. 1500  
 100 Br. Cornbird 1400  
 125 Boat-t. Gr. 1400  
 9 Mel. Blb. 1400  
 2 Balt. Or. 1400  
 1 Bl.-coll Oriole 1600  
 7 Yell-thr. Euph. 1400  
 2<sup>+</sup> Yell-wi. Tan. 1400

1 Cr.-coll. Tan. 1400

2 Red-cr. Ant-T. 1400

4 Buff-thr. Salt. 1400

4 Bl.-face. Grosb. 1500

1 C. Cardinal B-A

6 Indigo Bunt. ✓

1 ♀ Painted B. ✓ L. Cat. NW

3 ~~Bl.~~ Yell-g. Grosb. B-A

35 Wh.-coll. Tanager 125 ↑

6 Bl.-bl. Grosb. 2-B-A

14 B.-b. Goldf. L. Cat. NW

2 Chest.-cap. Br-F. 1400  
(agouti)

1 Olive Sparrow 1500

1 Rusty Sparr. B-A

6 Lincoln Sp. B-A

Gnatcatcher

have been

absent

lots from  
area - nesting?

49

April 3, 1960 Sun. HPA

B-A

51448.3 68°N B-A

fair, clear, then cloudy from N, showers 7-8 AM

6:30<sup>AM</sup> - 1:30 PM

Wind N-NW at first then increasing, moving about B-A (only clouds moving about B-A)

8:10 AM To 40-50 mph NW - chaotic sky, clouds rushing up from Gulf, higher clouds, moving on slightly S, as cool air undercuts warm. Patches of blue sky here & there. After 10 AM

increasing clouds and lowering ceiling until mountains are partly covered and whole sky overcast. Clouds rolling in over lake at low levels, especially thru Coyote gap. V.S.M. enveloped.

Worked down road 2 to Trail B and down almost to side trail south, and then return to B-A.

B-A till 1:30 PM. Birds fairly active and singing. Hawks

began to go over base area <sup>after</sup> 9 AM  
and continued until we left.

Many went over in the clouds and  
were not seen.

- |  |   |
|--|---|
| 3 Rufes. Tanager <sup>1400</sup>           | 2 Osprey <sup>L. Cate.</sup>            |
| 15 Least Grebe <sup>L. Cate.</sup>         | 1 Cr. Caracara <sup>S of</sup>          |
| 10 Pied-b. Grebe <sup>sw</sup>             | 9+ Pl. Chachabaca <sup>3-1900</sup>     |
| 40 Oliv. Cormorant                         | 15 Am. Coot <sup>L. Cate.</sup>         |
| 5 Green Heron                              | 3 Western Sandp. <sup>L. Cate.</sup>    |
| 1 L. Blue Heron <sup>over</sup>            | 60 Jer. Scap. <sup>L. Cate.</sup>       |
| 30 Snowy Egret <sup>L. Cate.</sup>         | 30 Laughing Gull <sup>L. Cate.</sup>    |
| 1 Bl.-cr. N. Heron                         | 4 Gull-bi. Tern                         |
| 130 Bl. Vulture <sup>68</sup>              | 1 Royal Tern                            |
| 10 T. Vulture <sup>vic Catemaco</sup>      | 4 Bl.-w. Teal <sup>L. Cate.</sup>       |
| 1 Wh.-t. Kite <sup>wedge of Catemaco</sup> | 10 Red-bi. Pigeon <sup>5 on slope</sup> |
| 2 Sharpsh. Hawk <sup>B-A</sup>             | 2 Short-bi. Pigeon <sup>1500</sup>      |
| 550 Broad-w. Hawk <sup>B-A</sup>           | 9:20 - 11:35                            |
| 57 Swainson's Hawk                         | 1 Wh.-wing Dove <sup>over</sup>         |
| 3 Roadside Hawk                            | 2 Lively not Trail <sup>B-1400'</sup>   |
| 1 Gray Hawk <sup>B-A</sup>                 | 1 R. Ground B.                          |
| 3 White Hawk                               | - soaring over slope                    |
| 1 Sparrow Hawk <sup>B-A</sup>              | 1 Wh.-tipped Dove <sup>1500</sup>       |

50  
2:30 - 5:45 - drive to Cataratas  
+ SE 10 mi. to bird area + return to  
HPA. - cool, cloudy, windy - poor for  
land birds

- 1400 flying over  
unind. Parakeets 27 <sup>slope</sup> 1 W. Wood Pewee B-A  
" parrots 7 1700 60 Gray-br. Martin L. Cat. SW  
1 Parakeet HPA 2 Barn Swallow ✓  
80 Wh.-coll. Swift over slope 1 Bank Swallow ✓  
80 Vamp's Swift 30 B-A + slope  
2 Long-tailed Hermit 1400 8 Rough-w. Sw. B-A  
1 Green-br. Mango B-A 2 Mangrove Sw. L. Cat.  
1 Bar-t. Trogon 1400 2 Green Jay 1400  
1 Violaceous Trogon 1400 4 Spot-br. Wren 1500  
2 Ringed King. L. Cat. 4 Wh.-br. W. Wren  
1 Bl.-cr. Motmot B-A 1 So. House Wren B-A  
3 Golden-fr. Widge. 2-1600 5 Wh.-thr. Robin 14-1600  
1 Ivory-bi. W. 1600 6 Clay-col. Robin 14-1600  
1 Barred Antthr. B-A 1 Slate-col. Sol. 1900+  
2 Be.-rump. Attila 14-1500 no Guateatons!!  
6 Masked Tityra B-A 2 Yell.-gr. Vireo 1-B A  
13 Sc.-t. Flyc. over B-A 15 R.-l. Tanager 15-1600  
1 Boat-bi. Flyc. 1500 1 Bananaquit 1400  
2 Vermil.-cr. Flyc. 10 mi. SE Cat. 1 Nor. Parula W. 1400  
2 Gr. Kingfisher 1 Yellow W. B-A  
4 R.-capp. Flyc. 1500 1 Bl.-thr. Gr. W. B-A

lunch tree on Coyame Rd. 1.6 mi. E of Santicompa rd. fork	
2 Magnolia W. <sup>1500</sup> B-A	2 Red-cr. Ant-T. 1600
2 C. Yellowthr. <sup>B-A</sup>	1 <sup>+</sup> Buff-thr. Salt. <sup>S</sup> B-A
2 Gray-cr. Yell. B-A	2 Bl. face. Grosb. <sup>1400</sup>
10 Wilson's W. <sup>8-B-A</sup>	1 C. Cardinal B-A
7 Golden-cr. W. <sup>14-1600</sup>	1 Indigo Bant. <sup>B-A</sup>
1 Rufous-cr. W. B-A	1 Yell. face. Gr. <sup>↑</sup>
6 M. Oropendola <sup>common</sup> <del>tree</del>	8 Wh.-coll. Seede. B-A
75 <sup>+</sup> Br. Cornbird <sup>5-14</sup> B-A	4 Bl.-bl. Grosb. B-A
50 Boat-t. Gr.	1 Olive Sparrow B-A
4 Melod. Bell. <sup>2-B-A</sup>	1 <sup>+</sup> Rusty Sp. B-A
1 Bl. coul. Oriole <sup>B-A</sup>	20 Lincoln Sp. <sup>B-A</sup>
5 Yell-thr. Euphoni <sup>B-A</sup>	20 Brown Jay <sup>14-1500</sup>
5 Yell.-wi. Tan. <sup>1400</sup> B-A	3

April 4, 1960 Mon. HPA

51,486.8 B±A

7:00-8:45-64° <sup>small</sup> B-A Coyame Rd. to 1:30 PM

cloudy, cool, wind N-15-35 mph

ceiling higher, blue area appear after noon

Last several days trees getting more leaves - greener aspect to forests.

Sky clearing by evening - Cu in places

15 L. vult. King 51 75 100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000

Wind may have shifted slightly to east and slight warming trend evident? Worked B-A and upper road 2 to 8:45 but heavy clouds, windy, and rain shows made observation very difficult. Then drove down Coyane Rd to Coyane, & back to HPA 1:30 PM. Winds were still strong, rising high and from NE to SW across L. Catemaco. Noted more Trop. Kingbirds than before and pairs were calling and flying together continually.

- |                    |                  |                    |                   |
|--------------------|------------------|--------------------|-------------------|
| 2 Least Grebe      | L. Cat.          | 12 T. Vulture      |                   |
| 17 Pied-b. Grebe   | N                | 2 Wh.-t. Kite      | Coyane Rd.        |
| 20 Oliv. Cormorant | L. Cat.          | 1 Sh.-sh. Hawk     | B-A               |
| 10 Green Heron     |                  | 153 Br.-w. Hawk    | Coyane Rd. 9-1:00 |
| 2 Z. Blue Heron    |                  | 30 Swainson's Hawk | "                 |
| 100 Snowy Egret    | L. Cat.          | 2 Roadside Hawk    | Coyane Rd.        |
| 5 Bl.-cr. N. Heron | L. Cat. N        | 1 Cr. Caracara     | /                 |
| 1 Wood Olive       | by SW Coyane Rd. | 6 Sparrow N.       | B-A 3 mig         |
| 4 Ruddy Duck       | L. Cat. N        | 1 Pl. Cuckoo       | Coy. Rd. BA       |
| 35 Bl. Vulture     |                  | 2 Jacana           | L. Cat. N         |

- 8 Laughing Gull <sup>L. Cat.</sup>  
 25 Red-bil. Pigeon <sup>Coy. Rd.</sup>  
 1 Inca Dove HPA  
 1 R. Gr. Dove "  
 1 Mourning Dove <sup>Coy. Rd.</sup>  
 20 Olive-thr. Parakeet - <sup>fly low over ground N</sup>  
 14 <sup>prob.</sup> <sup>Red-l.</sup> <sup>4-B-A</sup> <sup>4-3 of B-A</sup> <sup>6-Coy. Rd.</sup> <sup>15</sup> Rough-wr. Sw. <sup>Coy. Rd.</sup>  
 15 Gr.-bill - Ori <sup>Coy. Rd.</sup>  
 2 Parakeet HPA  
 5 Vaux's Swift  
 3 Fawn-br. Hummer - <sup>netted & w. mistle in HPA grounds</sup>  
 2 Ringed Kingf. <sup>L. Cat.</sup>  
 1 Bl.-cr. Mock <sup>1700</sup> <sup>B-A</sup>  
 2 Collared Aracari <sup>Coy. Rd.</sup>  
 2 Kell-bi. Toucan  
 8 Gold-fr. Wdgh.  
 1 Br.-r. Attila <sup>1700</sup> <sup>B-A</sup>  
 3 Masked Titira  
 1 Vermil. Flyc. <sup>B-A</sup>  
 400+ Sciz.-t. Fly <sup>Coy. Rd.</sup> <sup>HPA</sup>  
 12 Trop. Kingf. <sup>Coy. Rd.</sup>  
 8 Vermil. cr. Flyc. <sup>Coy. Rd.</sup>  
 4 Gr. Kingfisher  
 2 W.W. Pewee <sup>1-B-A</sup> <sup>Coy. Rd.</sup>  
 6 Gr.-br. Martin <sup>HPA</sup>  
 3 Bank Sw. <sup>HPA</sup>  
 15 Barn Sw. <sup>HPA</sup>  
 3 Mangrove Sw. <sup>1st Cat N</sup>  
 1 Green Jay <sup>B-A</sup>  
 40 Brown Jay <sup>1 on nest</sup> <sup>5 of B-A</sup>  
 5 Band-b. W. <sup>Coy. Rd.</sup>  
 1 Spot-br. Wren <sup>B-A</sup>  
 1 Wh.-br. W. W. <sup>B-A</sup>  
 1 Clay-col. R. <sup>HPA</sup>  
 1 Sh.-col. Sol. <sup>1800</sup> <sup>B-A</sup>  
 3 R.-l. Honeyc. <sup>B-A</sup>  
 3 Yell. Warbler <sup>Coy. Rd. 2</sup> <sup>HPA-1</sup>  
 1 Gr.-cr. Yell. <sup>1-B-A</sup>  
 2 C. Yellowthroat <sup>1-B-A</sup>

1 Bl. + wh. W. <sup>HPA</sup>	6 Yell.-wi. Tan <sup>2-B-A</sup>
4 Audubon's W. <sup>Coy. Rd.</sup>	1 + Buff-thr. Salt.
6 Wilson's W. <sup>B-A-4</sup>	2 C. Cardinal <sup>1-B-A</sup>
10 M. Oropendola <sup>4-B-A</sup>	3 Indigo B. <sup>✓</sup>
4 Giant Coubird <sup>Coy. Rd.</sup>	14 Yell.-g. Grass. <sup>8-B-A</sup>
250 Br. Coubird <sup>HPA</sup>	140 Wh.-coll. Seede. <sup>30-B-A</sup>
250 Boat-t. Gr.	7 Bl.-bl. Grass.
10 Melo. Blb.	1 Olive Sp. - B-A
6 Orchard Oriole <sup>Coy.</sup>	1 Rusty Sp. B-A <sup>✓</sup>
4 Bl.-gr. Tan. <sup>Coy. Rd.</sup>	1 Chipping Sp. <sup>Coy.</sup>
	10 Lincoln Sp. <sup>B-A</sup>

April 5, 1960 Tues.

51,506.8

HPA

+0  
B-A

clear, cool, fair, few clouds <sup>AS CS C1</sup>

nearest dew 49° - HPA ± 900' a.s.l.

6:15-9:00 48° B-A

all altitudes  
from now on  
are figured  
to 100' less

wind 5-20 mph. N-NE

very clear day.

7:45-1:30 - to B-A again

B-A - 1500' a.s.l.

all other prior  
to this day must  
be changed to  
100' less.

max. 77° - B-A 1:15 pm

Worked down road 1 to trail A and NW  
on trail to 1600' (point where clearing  
trail goes off. Later in AM worked  
down road 2 to trail B and  
down trail to 1200' & return. Near  
spring trail (below) we saw a large  
 $3\frac{1}{2}$  - 4' green snake going off edge of  
road. Saw a Black-faced Antthrush  
just off trail A at 1500' - like a  
little rail walking over forest floor.  
Missed collecting shot. Wh. thr.  
Robins seem to like open woods  
where coffee trees are off road 2 in  
vicinity of spring trail. Heard  
calls again of two? birds, possibly  
parrots off road 2 at 1400 going  
loud "awk". Heard on at least two  
prior days. Also heard again the  
high pitched thin, wry see, see, see  
of small bird in tree tops - possibly  
Eugenia. Olive green-brown above  
yellowish below, bright posterior.

- |  |  |
|--|--|
| 3 Rufesc. Tinamou <sup>1500'</sup>   | 1 Sh.-bills. Pigeon <sup>1500</sup>                                  |
| 2 Least Grebe <sup>L. Cat.</sup>   | 2 Inca Dove HPA  |
| 20 Oliv. Cormor.   | 4 R. Gr. Dove <sup>1-B-A</sup><br><sup>3-HPA</sup>                   |
| 6 Green Heron <sup>L. Cat.</sup>   | 1 Wh.-tipp. Dove 1400  |
| 45 Snowy Egret   | 30 Olive-thr. Parakeet B-A<br><sup>9, 2, 11, 8 eggs.</sup>           |
| 5 Blue-cr. Teal <sup>NW</sup>  |  |
| 1 King Vulture <sup>over L. Cat.</sup><br><sup>NW</sup>                    | 1 Gr.-br. Ani <sup>S of</sup><br><sup>B-A</sup>                      |
| 25 Black Vulture   | 3 Parakeet <sup>lost nite</sup><br><sup>HPA</sup>                    |
| 6 T. Vulture   | 25 Vaux's Swift <sup>slope</sup>                                     |
| 18 Broad-wr. Hawk <sup>over B-A</sup>                                      | 1 Long-t. Hermit 1450  |
| 26 Swainson's Hawk <sup>✓</sup>  | 1 Gr. Br. Mango <sup>trail A</sup><br><sup>1500</sup>                |
| 1 Roadside H. <sup>Trail B</sup><br><sup>1400</sup>                        | 4 Bar-t. Trogon <sup>B-A</sup><br><sup>ent.</sup>                    |
| 2 Gray Hawk B-A  | 2 Violaceous Trogon 1400   |
| 2 White Hawk <sup>over</sup><br><sup>W mt.</sup>                           | 2 Ringed Kingf. <sup>L. Cat.</sup>                                   |
| 1 Gr. Bl. Hawk <sup>over</sup><br><sup>B-A</sup>                           | 2 Blue-cr. Motmot <sup>B-A</sup><br><sup>not</sup><br><sup>rd!</sup> |
| 1 unid. <sup>white head</sup><br><sup>large hawk class of primaries.</sup> |  |
| 1 Cr. Caracara B-A   | 2 Keel-bi. Toucan <sup>S of</sup><br><sup>rd!</sup>                  |
| 1 Peregrine Falcon <sup>B-A</sup><br><sup>W mt.</sup>                      | 2 Golden-olive Wdgl. <sup>1500</sup><br><sup>rd!</sup>               |
| 1 Sparrow Hawk <sup>S of</sup><br><sup>B-A</sup>                           | 4 Golden-fr. Wdgl.   |
| 8 Bl. Chachalaca   | 3 Ivory-bi. Wdgl. <sup>1500</sup><br><sup>1400</sup>                 |
| 4 Laughing Gull <sup>L. Cat.</sup>   | 1 Buff-thr. F.-gl. <sup>Trail</sup><br><sup>B 1300</sup>             |
| 6 Red-bill Pigeon <sup>over</sup>  | 2 Barred Antthr. B-A   |

- 1 Bl.-face. Antthrush - 1500' Trail A start
- 2 Br.-hng. Attila <sup>B-A</sup> 1500 - Rd 1 3 Sp.-br. Wren 1400
- 4 Masked Tityra 1400 8 Wh.-br. W. Wren 13-1500
- 75 Sciss.-t. Flyc. <sup>50</sup> 10 Wh.-tm. Robin 1400
- 2 Trop. Kingb. 7 Clay-col. Robin 1400
- 1 Sulph.-bell. Flyc. <sup>B-A</sup> 1 Sl. Sc. Solit. 1600
- 3 Boat-bi. Flyc. 3 Yell.-gr. Vireo 1400
- 3 Vermil.-cr. Flyc. 1 Gr.-h. Greenlet 1500
- 2 Gr. Kiskadee <sup>50</sup> 30 R.-e. Honeyc. <sup>var.</sup>
- 10 Dusky-cap. Flyc. <sup>var.</sup> 1 Bananaquit 1500
- 1 W. Wood Pewee <sup>B-A</sup> 1 Magnolia W. <sup>B-A</sup>
- 1 Yell.-bell. Flyc. <sup>Rd 2</sup> 1500 1 Gr.-cr. Yellowthr. <sup>B-A</sup>
- 3 Gr.-cr. Martin <sup>var.</sup> 1 Yell.-cr. Chat <sup>Rd 2</sup>
- 15 Rough-w. Sw. <sup>40</sup> 1 Hooded W. <sup>Rd 1</sup> 1500
- 20 Bank Sw. <sup>Cat.</sup> 17 Kentucky W. <sup>Rd 2</sup>
- 10 Barn Sw. <sup>HPA</sup> 17 Wilson's W. <sup>var.</sup>
- 20 Tree Sw. <sup>HPA</sup> 1 Am. Redstart <sup>B-A</sup>
- 3 Mangrove Sw. 10 Golden-cr. W. 1300
- 2-4 Green Jay <sup>B-A</sup> 2 M. Oropend. <sup>Rd 1</sup> 1500
- 15 Brown Jay <sup>B-A</sup> 2 Yell.-bill. Cuckoo <sup>Rd 1</sup> 1500
- 2 Band-b. Wren <sup>Rd 1</sup> 1500 125 Br. Combrid. <sup>HPA</sup>

54

150 Boat-t. Grosbeak	4 Bl.-face. Grosb. <sup>72.3</sup> 1300
8 Mead. Blb.	1 C. Cardinal B-A
1 Orchard Oriole <del>B-A</del>	3 Indigo B. <del>B-A</del>
3 Black-cow. Oriole B-A	1 Painted B. <del>B-A</del>
5 Yell.-thr. Euphonia <sup>14-1500</sup>	1 Bl.-bl. Gros. B-A
3 Bl.-gr. Tan. HPA	1 Yell.-face. Gr. <sup>1400</sup> 1400
13 Yell.-wi. Tan. <sup>1300-1500</sup> B-A	40 Wh.-coll. Seedeater <sup>1400</sup> B-A
2 Red-cr. Ant-T. <sup>1400</sup>	3 Bl.-bl. Grosz. B-A
18 Summer Tan <del>B-A</del>	2 Chest.-cap. Br. F.
12 Lincoln Sp. B-A <del>B-A</del>	1 Olive Sp. <sup>trail A</sup> 1500
	1 Rusty Sp. <sup>B-A</sup> B-A

April 6, 1960 Wed. HPA to B-A

Clear, fair, cool G1 Gs clouds

51, 52, 4, 3 52° 7 B-A

6:30-12:30 wind NE, 5-20 mph  
med. dew.

Worked road 1 and then trail A, then  
clearing trail, then back on A to a little  
over 1900 feet. About 200 yards down  
road 1 (about 65 yds from us) an eagle  
sized bird was perched on tree slightly.

sloping limb of one of the few large trees  
on the east side of the road - it was approx.  
40+ feet from ground and about eye level or  
slightly higher. Bird had large eagle-  
size beak and appeared to be approx.  
28"-32" in length with broad wings  
and medium length tail. It moved about  
among the bromeliads on the limb as though  
it had or was trying to capture some prey.  
In so doing it showed its tail briefly once,  
its legs (tarsi unjointed) and its  
underwings. The upper parts appeared  
dark brownish-black with the head  
a little paler and with a noticeable  
buffy superciliary stripe. Underparts seemed  
to be light brownish being streaked with  
darker brown or blackish. Wings, at least  
primaries, appeared somewhat darker  
than back & seemed to have some  
barriery. The brief view of tail showed  
a fair wide terminal band of dark  
with the anterior portion <sup>light</sup> grayish green.

55

went in to S. Andrie's to negotiate  
horses & guide for V.S.M. trip

but not certain, up to upper tail coverts.  
Feathers of tibia appeared light with  
dark crossbaring. Upon approaching, bird  
dropped off limb & disappeared down slope.  
Bill appeared pale horn color. <sup>imm.</sup> Trochilornis  
solitaria? Brief glimpses of underwings  
showed medium gray color with dark  
barings. Also saw another hawk  
that seemed to agree in some respects  
with imm. Gr. or Comm. Black Hawk.  
Olive-br. Parakeets have become conspic-  
uous the past few days at B-A.

3 Rufesc. Tinamou <sup>1600</sup>

1 Green Heron HPA

50 Bl. Vulture

8 T. Vulture

10 Broad-w. H. <sup>over</sup> ~~slope~~

1 Swainson's H. <sup>over</sup> ~~S. Andrie~~

1 Gray Hawk <sup>over</sup> ~~slope~~

2 White Hawk "

poss. Solitary Eagle imm

~~S. Andrie~~

10 Pl. Chachalaca <sup>3-B-A.</sup> <sup>1700</sup> <sup>W. mt.</sup>

10 Red-b. Pigeon <sup>over</sup> ~~slope~~

2 Short-br. Pigeon <sup>1500</sup>

1 Inca Dove HPA

4 Ruddy Gr. Dove <sup>2-B-A</sup>

71 Olive-br. Parakeet B-A

2 unid. parrot B-A

10 Gr.-bill Ani <sup>5</sup> ~~B-A~~

3 Parakee HPA

20 Vaux's Swift <sup>over</sup> ~~slope~~

- |   |                                       |
|---|---------------------------------------|
| 1 Violet Sabrewing <sup>clearing</sup> 1400 | 15 Brown Jay 2-B-A                    |
| 6 Bar-t. Trogon <sup>3-E mt</sup> 1500      | 3 Spot-br. Wren <sup>var.</sup> alt.  |
| 1 Violaceous Trogon 1400                    | 6 Wh.-br. W. Wren "                   |
| 3 Ringed Kingf. <sup>L. cat.</sup>          | 1 Sc. House Wren 1500                 |
| 2 Bl.-br. Motmot <sup>B-A</sup> 1500        | 3 Clay-col. Robin B-A                 |
| 1 Keel-br. Toucan 1700                      | 1 Sl.-col. Sob. <sup>tr. A</sup> 1800 |
| 3 Gold.-gr. Wghs. <sup>var.</sup> alt.      | 1 Yell.-gr. Vireo 1400                |
| 2 Ivory-br. Woodc. 1700                     | 1 Gray-h. Gnatcatcher 1600            |
| 2 Banded Antbird <sup>B-A</sup>             | 70 R.-leg. Honeyc. <sup>lost</sup> 37 |
| 2 Br.-r. Attila <sup>B-A</sup>              | 1 Bananaquit 1500                     |
| 6 Masked Tityra 1500                        | 1 Bl.-wh. W. <sup>tr. A</sup> 1500    |
| 100 Sc.-t. Flyc. <sup>5 tr.</sup> B-A       | 1 Bl.-thr. Gr. W. ✓                   |
| 1 Streaked Flyc. <sup>B-A</sup>             | 2 Magnolia W. <sup>B-A</sup>          |
| 4 Boat-br. Flyc. <sup>1400</sup> 1500       | 1 C. Yellowthroat <sup>B-A</sup>      |
| 1 Vermil.-cr. Flyc. <sup>5 tr.</sup> B-A    | 2 Gray-cr. Yell. B-A                  |
| 3 Gr. Kingbird "                            | 10 Wilson's W. <sup>var.</sup> alt.   |
| 6 B.-cap. Flyc. <sup>var.</sup> alt.        | 1 Am. Redstart <sup>tr. A</sup> 1500  |
| 1 W. Wood Pewee <sup>B-A</sup>              | 9 Gold.-cr. Warb. <sup>2000</sup>     |
| 1 E. Wood Pewee <sup>1600 tr. A</sup> h?    | 2 House Sp. <sup>Saw a dozen</sup>    |
| 15 Rough-w. Sw. <sup>B-A</sup>              | 2 Giant Cowbird <sup>B-A</sup>        |
| 4+ Green Jay 15-1800                        | 300 Br. Cowbird                       |

56

Howler heard roaring once or twice today

100

Boat-t. Gr.	5 Bl.-face. Grack. <sup>rd</sup> 1600
2 Melod. Blb. 2-B-A	1 C. Cardinal B-A
3 Yell.-thr. Euponia <sup>1500</sup>	1 Yell.-face. Gr. B-A
1 Bl.-gray Tan. B-A	15 Wh.-coll. Seede. <sup>15-B-A</sup>
7 Yell.-wi. Tan. B-A <sup>1500</sup>	3 Bl.-bl. Grass. B-A
2 Gr.-coll. Tan. B-A <sup>1600</sup>	2 Chestnut-cy. Br. F. <sup>1700</sup>
1 Wh.-w. Tan. <sup>1600</sup> rd	1 Olive Sparrow B-A
1 Red-cr. Ant-tan.	2 Rusty Sparrow B-A
1 ♀ Red-thr. Ant.-Tan. <sup>1600</sup> rd	20 Lincoln Sp. B-A
2 Summer Tan. <sup>1500</sup> rd	
2 Buff-thr. Salt. B-A	

April 7, 1960 Thurs. HPA to B-A.

fair, high clouds, (ptly).

51, 55 6.8 slight barometer fall.

6:15-1:45 mostly clear 55° HPA

slight dew 58°-B-A

Howler roaring 6:15 - wmt.

10:30 ↑ E of Emt. max. temp 81°-B-A.

wind NE <sup>B</sup> 5-15-20loud repeated call on Cerro Norte <sup>Emerald</sup> resonant <sup>Tourant</sup> <sub>2000</sub>  
who was who who who

Also base of Mnt B-A <sup>rich deep whistle</sup> ~~loud who who~~  
<sup>repeated 3 times</sup>

<sup>second note higher</sup>

Worked road 1 and trail A to  
junction of clearing trail (1600')  
and down to end of latter trail.

Then N for about 200 yds on trail down  
ridge to N branching off clearing trail.

Hawks moving today but not very  
many. King V. moved NW across  
slope, gaining altitude and a short  
time later it or another came  
over B-A fairly high going SE. Four <sup>different</sup>  
loud, distinct calls today could not  
be identified. Saw several hawks  
over slope which resembled Black  
Hawk in shape but were pale below  
with tail banding and distinct light  
area at base of primaries. Possibly  
immature Gr. Black Hawks? Wind  
blows NE (trade?) and there is con-  
siderable high C<sub>1</sub>, C<sub>2</sub> and C<sub>3</sub> as well  
as lower C<sub>4</sub>.

Packed for Vol. San Martin tonight. To meet guide with horses (3) at Ramirez home in San Andres. Barometer was falling today. Cutting of bamboo continues on <sup>E</sup> slope of Cerro Gudo above B-A.

- |  |  |
|--|--|
| 34 Rufesc. Tanager <sup>B-A</sup> 1300                               | 2 R. Ground Dove B-A                       |
| 2 Mag. Frigate-Bird <sup>over</sup>                                  | 1 Wh.-tig. Dove 1400                       |
| 2 Green Heron HPA  | 25 Olive-thr. Parakeet <sup>B-A</sup> 1400 |
| 1 King Vulture <sup>on B-A</sup>                                     | 5  |
| 30 Bl. Vulture   | 1 Pauraque HPA                             |
| 9 T. Vulture   | 12 Vamp's Swift <sup>over</sup> slope      |
| 6 Sh.-sh. Hawk <sup>on</sup> slope                                   | 1 Violet Sabrewing <sup>climb</sup> 1400   |
| 82 Br.-wi. Hawk <sup>✓</sup>   | 3 Bar.-t. Trogon <sup>B-A</sup> 1400       |
| 15 Swainson's H. <sup>✓</sup>  | 1 Violaceous Tr. 1500                      |
| 3 Roadside H. <sup>12.4 B-A</sup>                                    | 3 Bl.-cr. Motmot <sup>1700</sup> 1500      |
| 3 Gray Hawk <sup>B-A</sup> <sup>1/2 slope</sup>                      | 3 Keel-bi. Toucan <sup>about 1500</sup>    |
| 2 White Hawk <sup>over</sup> clearing trail                          | 2 G.-Olive Wren 1400                       |
| 2 Gr. Bl. Hawk <sup>over</sup> slope                                 | 4 Gold.-fr. Warbler 1500                   |
| 4 Sparrow H. <sup>3-over</sup> slope                                 | 3 Dusky-bi. Warbler 14-1700                |
| 4+ Pl. Chachalaca <sup>2 grps.</sup> <sup>1600'</sup> <sup>B-A</sup> | 1 Buff-thr. F.-Gr. <sup>B-A</sup>          |
| 2 Red-bi. Pigeon   | 1 Banded Antelope <sup>B-A</sup>           |
| 4 Sh.-bill. Pigeon <sup>1500</sup> <sup>1400</sup>                   | 2 Br.-r. Attila <sup>B-A</sup> 1400        |

6 Masked Tit<sup>var.</sup> alt.

8 Sc.-t. Flyc. <sup>5 of</sup> B-A ✓

1 Trop. Kingb. <sup>5 of</sup> B-A

6 Boat-li. Flyc. <sup>var.</sup> alt.

8 Dusky-cap. Flyc. <sup>var.</sup> alt.

1 W. Wood Pewee B-A

1 E. Wood Pewee <sup>nd. 1</sup> 1500 ✓

12 Rough-wi. Sw. B-A

4<sup>+</sup> Green Jay <sup>var.</sup> alt.

10 Brown Jay

4 Band-b. Wren B-A

5 Sp.-ls. Wren <sup>var.</sup> alt.

7 Wh.-ls. W. Wren "

6 Wh.-thr. Robin <sup>1500</sup> B-A

4 Clay-col. Robin "

1 Catbird <sup>nd. 1</sup> 1500 ✓

2 Se.-col. Solitaire <sup>B-A</sup> 1700

3 Yell.-gr. Vireo 1500

1 Gray-h. Greenlet 1500

60 Red-b. Honeyc. 1500

1 Bananaquit B-A

1 Gr.-cr. Yellowthr. B-A

8 Wilson's Warb. <sup>B-A</sup> ✓

1 Am. Redstart 1600

5 Gold.-cr. Warbl.

2 Ruf.-cap. Warbl. <sup>nd. 1</sup> 1500

1 M. Oropendola 1500

30 Br. Combird 1-1500

40 Boat-t. Grackle

2 Mulo. Bbb. B-A ✓

1 Orchard Oriole B-A

2 Black-cowl. Oriole <sup>B-A</sup>

4 Yell.-thr. Euphonia 1500

14 Yell.-wi. Tan. <sup>1500</sup> B-A

8 Bl.-face. Grosb. <sup>B-A</sup>

1 C. Cardinal <sup>Cassid</sup> B-A

3 Indigo B. ✓

1 Bl.-bl. Grosb. <sup>B-A</sup> ✓

6 Yell.-face. Gr. B-A

8 Wh.-ell. Sisk. B-A

5 Bl.-ll. Grosq. B-A

2 Dark-b. Gold. B-A

58

4 Chest.-cog. B. F. <sup>2 tr. A 1500</sup> | 3 Rusty Sparrow 2-B-A.  
 1 Olive Sp. rd. 1500 | 25 Lincoln Sp. B-A

April 8, 1960 HPA to S. Andes.

? 1170' - S. Andes to La Cocina  
 clear, fair, calm in AM, 5-15 mph. at peak  
 61° - HPA NE?

Left S. A. & horse at 6 AM, arrived  
 La Cocina, 3750' at 10:10 AM.

↳ 11:36 start toward peak  
 5600' <sup>maybe error if barometer changed</sup> E peak 1:45 PM, W peak 5650'  
 down to La Cocina 4 PM 2:00 PM

Rode horses (mine & mule) from San  
 Andes about 8 miles <sup>northward</sup> to La Cocina  
 which appears to be about two miles  
 by trail from peak (somewhat roundabout).  
 Trail from S. Andes traverses hills  
 and flat areas which are mostly cleared  
 + in overgrazed pasture or corn fields  
 for about 6 miles, crossing one stream  
 (mostly, many water plants and staying

about 2000' <sup>-2300'</sup> elev, and then to 2500' where  
forest begins. Then circuitous trail  
goes thru beautiful virgin forest  
for about two miles to La Cocina.  
A cleared, sloping spot on the ridge  
which the trail follows to peak  
area. Many trees over 100' in height 6-8  
feet <sup>diameter</sup> above breast height. Similar giant  
trees surround La Cocina and their limbs  
& trunks are covered with bromeliads &  
vines. Above La Cocina the virgin forest  
continues as the trail steepens along a  
somewhat narrow ridge. Tree ferns appear  
along the flanking deep ravines at about  
4200' but only a few can be seen from  
the trail. There are ~~are~~ less trees at about  
5000' looking out to the SE over a  
gorge which is forest covered but in some  
places shows bare lava rock. In the  
distance, much lower can be seen  
Cerro Bapin. Above 4500 feet trees  
become <sup>smaller</sup> covered with moss and

59

5 peaks or higher points with slightly lower saddle forms southern rim of crater. Center peak is highest - 5450' approx.

Liquidambar was identified. (Cloud forest)

There is another small lean-to at about 5300' where trail begins to go through stunted trees covered with moss + lichens which continues to the top and gets lower + somewhat denser.

First peak has a small open cleared area surrounded by low bushes + a few trees.

View can be had of crater and two peaks overlooking from south. Went across saddle about 75-100' lower to W peak

where little view can be obtained as vegetation is too high. Part of crater floor appears bare, or mostly so, of vegetation.

At about 3900' above sea level - small bird in low tree: about 6-7" medium tail, rather stout shrike-like bird. Olive above, with med. to dark grey head, white eye ring and short line behind eye + in front. Throat white shading into dull yellow breast which shades again to white on lower breast

~~C. Bush Tanager.~~

and belg. No wing bars. Slate-col. Solitaires,  
in full song in late afternoon and other  
birds join in (Motmots, Buff-thr. F. gl.)

- |   |  |
|---|--|
| 1 Rufous. Tanager                                 | 2 Boat-bi. Flyc. <sup>2000'</sup>          |
| 1 Little Blue Heron <sup>2400'</sup>              | 2 Sp.-br. Wren                             |
| 1 Green Heron <sup>stream 2400'</sup>             | 4 Wh.-br. W. Wren <sup>La. Co. in</sup>    |
| 2 Roadside H. <sup>2000'</sup>                    | 3 Bl.-cr. Motmot <sup>La. T. Co. in</sup>  |
| 1 Mourning Dove <sup>✓ 2000'</sup>                | 12 Slate-col. Solitaires <sup>2000'</sup>  |
| 35 Gr.-bill, <sup>nest in one tree</sup> Ani tree | 1 Com. Yellowthroat <sup>✓ 2000'</sup>     |
| 1 Buff-thr. F. -gl. <sup>La. Co. in</sup>         | 3 Gray-cr. Yellowthroat                    |
| 3 Ivory-bi. Woodpecker <sup>Phyl. 1000'</sup>     | 2 Slate-cr. Redstart <sup>La. Co. in</sup> |
| 4 Dusky-cg. Flyc. <sup>1000'</sup> alt.           | 3 Golden-cr. Warbler                       |
| 2 Gr. Kingbird                                    | 2 Rufous-cg. W. <sup>2000'</sup>           |
| 2 Vermil.-cr. Flyc. <sup>1500'-2000'</sup>        | 3 Yell.-gr. Vireo <sup>2000'</sup>         |
| 35 Brown Jay <sup>lower levels</sup>              | 400 Bronzed Cowbird                        |
| 1 Bl.-faced. Grosb.                               | 175 Boat-t. Grackles                       |
| 10 Wh.-coll. Seede.                               | 8 Melod. Blb.                              |
| 2 Kill-bi. Tanager <sup>La Co. in + above</sup>   |  |
| 1 Olive Sparrow                                   |  |

April 9, 1960 Sat. La Cocina  
min. 64° <sup>to</sup> about 4700'

on peak trail

7:00 AM - 12:45 PM + return.

3-4 PM - down + up ravine on west side of La Cocina. Did not get much sleep as part of 3-4 Mexicans were up most of night talking and shining flashlights as well as horn blowing later. About 5:45 AM to 7 AM approx. 125 Mexicans came in from S. And's with much noise and blowing of cow horns.

Apparently they go up on mountain and collect branches from a type of bush whose leaves, when crushed, smell of wintergreen. Later in AM they came down each with a bundle of branches tied with a vine or piece of bark. These are used for ?

Easter Decorations - church

1 Wh.-coll. Swift	2 Blue-cr. Motmot La Cocina
5 Violet Sabrewing 4000-4700	5 Emerald Toucanet 4100
	1 Keel-bi. Toucan 3900

very loud insect chorus begins  
about dusk - 6:30-7:00

- |    |                   |           |                                      |
|----|-------------------|-----------|--------------------------------------|
| 3  | Ivory-br. Wren    |           |                                      |
| 2  | (Spot-crowned)    | 4200      | at least not                         |
| 2  | mind Woodcreeper  |           | along whistling down back            |
| 3  | Buff-thr. Flyc.   |           | four large but smaller than dry-lid. |
| 1  | Mashed Tit        | 4000      |                                      |
| 3  | Bluish-cop. Flyc. | 4300      |                                      |
| 4  | Yellowish Flyc.   | 4100-4700 |                                      |
| 4+ | Green Jay         | 3700-4200 |                                      |
| 1  | Sp.-br. Wren      | 3700      |                                      |
| 7  | Wh.-br. Wood Wren |           | same mind, Ton. describe             |
| 9  | Sh.-col. Split.   | 3700      | love like a 'coco' sound 4200        |
| 1  | Yell.-gr. Vireo   |           |                                      |
| 1  | Wilson's W.       | 4300      |                                      |
|    | Slate-thr. Redst. | 3700      |                                      |
| 2  | Gold.-br. Warbler | 4000      |                                      |

full moon  
April 10, 1960  
La Cocina  
to peak of  
Stair 4:28 AM L. Coc. V.S.M., into  
arrive w peak 6:30 crater and  
(5400') then into  
Crater from 4800' small crater.  
Small crater rim 4900 + return  
" " floor 4800'  
La Cocina 1:00 PM 3700'-3750'  
Check set, of S. Andres - correct elev.

61

Left La Cocina at 1:20 PM

Arrived in San Andrés 4:45 PM

Clearings and cultivation to about 2400-2500', then forest. Again several score of men and boys appeared at 3:15 AM at La Cocina with much noise, horn blowing etc., allowing no further sleep. Full moon both nights in S.M. - quite bright in forest. Last night hunters 3 with head lamps went off into the forest at nightfall. (alt. just to V.S.M.)

1 Rufesc. Tanager <sup>2600'</sup>4 Least Gull <sup>HPA</sup>6 Oliv. Cormorant <sup>L. Cat.</sup>

3 Green Heron

30 Snowy Egret

40 Black Vulture

3 T. Vulture

1 White-t. Hawk <sup>2300'</sup>1 Roadside H. <sup>2400'</sup>1 Com. Black H. <sup>2200'</sup>1 Sparrow Hawk <sup>2300'</sup>1 Crested Guan <sup>heard</sup>2 Laughing Gull <sup>✓ Cat.</sup>1 Least Tern <sup>✓ HPA</sup>4 Red-bi. Pigeon <sup>4-5300' water</sup>1 Short-bi. Pigeon <sup>2600'</sup>1 Ruddy Gr. Dove <sup>2400'</sup>1 Blue Gr. Dove <sup>2300'</sup>8 Green-bi. Oriole <sup>2100'</sup>

3-4 owls hooting from 4000-5000' - group of three saw hoots.

Wood-Owl?

1 Parakeet <sup>HPA</sup>guide said it was Parakeet-like single note <sup>4800'</sup>

- |   |   |
|---|---|
| 70 White-coll. Swift <sup>2000'</sup>   | 3 Gr. Kingbird                                      |
| 4 <sup>+</sup> Vamp's Swift <sup>2000'</sup>  | 2 Rudy-cg. Flyc. 4300'                              |
| 3 Violet Sabre-wing <sup>3900-4700</sup>  | 1 Yellowish Flyc. 4200'                             |
| ser. <sup>13800</sup> <sup>continental</sup> <sup>midb. hummer</sup> <sup>large</sup> | 20 Barn Swallow 2000' ✓                             |
| 2 Bar-tailed Trogons <sup>2500'</sup> <sup>5100'</sup> (water)                        | 2 <sup>+</sup> Green Jay 3800'                      |
| 4 Blue-cr. Motmot 3700'   | 12 Brown Jay 1600'                                  |
| 10 Emerald Tanager <sup>3800'</sup>   | - crater 5.-br. Wren 4000'                          |
| 5 Golden-fr. Wdger. <sup>2700-3900</sup>  | 4 Wh.-br. Wood W. 3700-4900                         |
| 5 Ivory-bi. Wdger. <sup>4200'</sup> <sup>+ crater</sup>                               | 25 Slate-cr. Sol. 3600- <sup>crater</sup>           |
| 2 Spot-cr. Wdger. <sup>4400'</sup> <sup>4200'</sup>                                   | 1 C. Yellowthroat. 2100 ✓                           |
| 1 <sup>+</sup> Buff-thr. Fol.-gl. <sup>2100'</sup> <sup>2100'</sup>                   | 2 Gr. Yellowthroat. 2400' <sup>2100'</sup>          |
| 1 Fork-t. Flyc. <sup>2100'</sup>  | 2 <del>Sh.-thr. Redstart</del> <sup>3700-4000</sup> |
| 2 Boat-bi. Flyc.  | 1000 Bronzed Cowbird                                |
| 1 Vermil.-cr. Flyc.   | 300 Boat-t. Grackle                                 |
| 1 Bl.-gr. Tan. <sup>HFA</sup>   | 1 Orchard Oriole ✓ 2000'                            |
| 5 C. Bush Tan. <sup>3800'</sup>   | 1 Bl.-bl. Grosbeak 21800'                           |
| 3 C.-cg. Br. Finch <sup>1 crater</sup>  | 2 <sup>+</sup> 4600'                                |

Found 1-4 days old tiger tracks <sup>4-5" diameter</sup> <sup>3-toed</sup> in soft mud in bottom of small crater in crater of V.S.M. Photographed them. Small crater is completely covered with dense, low

forest but largest tree in area appears to  
 be in little crater. Large crater is about  
 600' in depth, perhaps  $\frac{3}{4}$  mile from N-S  
 and 1 mile from E to W. Lowest points,  
 probably where lava flowed over, are at the  
 northwest and NNE approximately. Highest  
 point on south rim is between these  
 lower areas and appears to be about  
 200<sup>+30</sup> feet lower than highest point on south  
 rim. E to ESE section is also a higher  
 point perhaps only about 100 feet below  
 highest point on south rim. In north  
 side of crater is a dry stream channel (  
 water in rainy season) which on the  
 edge of the crater floor is bordered by 6-8'  
<sup>sheets</sup> walls of volcanic rock in various positions.  
 The bed of channel is moist and contains  
 a number of water plants such as  
 rushes (Carex) etc. The bare area in  
 the crater is covered with rocks & small  
 boulders of volcanic origin - this  
 area is just south of the small

crater, steep, about 300 yds. max. diam.  
This small <sup>partially</sup> ~~floor~~ area ~~is~~ has sparse, low  
bushes on it and the rest of the  
floor has larger dense bushes & trees,  
two of the latter, reaching 50+ feet in ht.  
The walls of the crater are quite steep, <sup>40-50+</sup>  
especially on S. side. They are covered with  
a dense low forest (20-30' trees) gnarled,  
covered with moss and some epiphytes. -  
This is the same type of vegetation  
as occurs for several hundred feet below  
the peak on the south slope. The  
floor of the small crater has some rocks  
but contains more soil. Its level  
area is only about 50-70' in diameter.  
About 3900 feet heard deep, loud  
"awrk", repeated along, that we  
have heard on our study area.  
About 5:30 AM at near 4900' heard  
several medium pitched calls, very  
difficult to describe, that guide called

"Mono" change - Spider monkey. Also on way up we heard an animal off to left of trail which H. saw poorly but which may have been a Tayra. San Andrés & Catenas are both given on map as 360 meters elevation or 1170' a.s.l. If so, HPA would be about 1100' and B+A 1700' with all other altitudes mentioned corresponding to this. Must try to find out elev. of S. A. T. exp. <sup>from</sup> <sup>for</sup> peak (E of V.S.M. on trail you can view Cerro Vigia, (4100') to the SE. and Cerro Taitilla to the SW.

April 11, 1960 Mon. HPA - rats, notes, letters <sup>etc.</sup>  
 fair, cool, pty. day. wind 10-20 mph.  
 sunny, our HPA } northern, increased  
 but North clouds visible to N } during day

50 Liv. Cormorant

3 Green Heron HPA | 1 Parula

30 Snowy Egret L. est. | 1 Ringed Kingf.

2+ Pe. C. Chachalaca above HPA

2 Laughing Gull <sup>late</sup> ✓ | 2 Gr. Kiskadee

1 Inca Dove | 1 Mangrove Sw.

1 Ruddy Gr. Dove | 1+ Brown Jay

1 ♀ Nor. Parula ✓ | 1 Clay-col. Robin

2 Yellow Warbler ✓ | 1 Magnolia W. ✓

1 Yell. Br. Chat ✓ | 1 Ovenbird ✓

300 Bronzed Cowbird | 1 Wilson's Warbler ✓

80 Boat-t. Grackle | 1 Am. Redstart ✓

2 Melod. Blb. | 4 Blue-gr. Tanagers

April 12, 1960 Tues. HPA to B-A

51, 585.8 full moon

clear, fair temp. 67° HPA

mod. dew 6:00-12:00

wind S 5-20 W 5° B-A

& variable at times

Worked on road 1 to trail A then  
up trail to 1800' back & down clearing

trail for several hundred feet and return  
 to B-A. Found and collected an Eye-ringed  
 Flatbill at about 1500' elev. on trail A near  
 its start. Bird stayed within 20 feet of ground  
 and responded to "fishing". Just below  
 base area but at about 1500' in top of  
 tall tree 4 Dickcissels were feeding  
 near noon. Apparently large fire in  
 late PM on Leoncito mountain across  
 lake and eastern end of lake. Bird  
 which had been heard calling "who who etc."  
 is apparently frozen, possibly poisonous.  
 Heard loud "cuck" again but still no  
 identification. Also heard loud "who were"  
 once or twice but no identification. Went  
 in to San Andrés for second last time.  
 Saw a White Hawk glide across road 2  
 near B-A carrying a snake about a foot  
 or so long. Forests in our area have large  
 trees comparable to some of those in San  
 Martín but in general have smaller  
 trees and areas of bamboo which

howler roaring early

I did not see on volcano. Sighted a small dark bird walking in forest at about 1800' - possibly Anttimal. Saw a large flock<sup>50+</sup> of gull or tern-like birds moving far out on Lake Iatanoo going north - as large as or larger than Laughing Gulls. No parakeets observed today.

3 Rufous Tinamou <sup>B-A 1700</sup>	2 Short-bi. Pigeon <sup>B-A 1800</sup>
7 Oliv. Cormorant <sup>L. Cat.</sup>	2 unid. parrots <sup>B-A</sup>
4 Green Heron <sup>HPA</sup>	1 Gr. + bill. Orii
30 Snowy Egret <sup>L. Cat.</sup>	10 Vamp's Swift <sup>over</sup>
80 Black Vulture	1 L.-tail Hermit <sup>1500</sup>
6 T. Vulture	2 Violet Sabre-wing <sup>12A</sup>
1 Wh.-tailed Kite <sup>Cate.</sup>	3 Bar-t. Trogon <sup>1500</sup>
1 Roadside H. <sup>B-A</sup>	2 Violaceous Tr. <sup>1700</sup>
1 White Hawk <sup>B-A</sup>	2 Ringed Kingf. <sup>L. Cat.</sup>
2 Osprey <sup>L. Cat. ✓</sup>	3 Blue-cr. Mot. <sup>B-A 1600</sup>
3 Sparrow H. <sup>✓</sup>	1 Emerald Toucan <sup>1500</sup>
5 Laughing Gull <sup>L. Cat. ✓</sup>	1 Coll. Aracari <sup>1600</sup>
4 Red-bi. Pigeon <sup>B-A</sup>	2 Keel-bi. Toucan <sup>1700</sup>

- |   |   |
|---|---|
| 2 Golden-ol. Wdgph. <sup>1500</sup>     | 1 So. House Wren <sup>1500</sup>        |
| 4 Gold.-fr. Wdgph. <sup>B-A</sup>       | 6 Wh.-br. Wood W. <sup>var. act.</sup>  |
| 1 Olivaceous Wdgph. <sup>1500</sup>     | 5 White-thr. Robin <sup>14-1600</sup>   |
| 3 Ivory-bi. Wdgph. <sup>1600</sup>      | 4 Clay-cl. Robin <sup>B-A</sup>         |
| 1 Buff-thr F.-gl. <sup>1500</sup>       | 3 Yell-gr. Vireo <sup>1500</sup>        |
| 2 Bright-rumped Attila <sup>1600</sup>  | 1 Gray-h. Greenlet <sup>15-1600</sup>   |
| 5 Masked Tityra <sup>B-A</sup>          | 30 Red-b. Honeycr. <sup>15-1600</sup>   |
| 4 Tropical Kingb. <sup>B-A</sup>        | 1 Bananaquit <sup>1500</sup>            |
| 1 Sulphur-bell. Flyc. <sup>B-A</sup>    | 1 Bl. + wh. W. <sup>1600</sup>          |
| 1 Streaked Flyc. <sup>1500</sup>        | 3 Magnolia W. <sup>B-A 1700</sup>       |
| 7 Boat-bi. Flyc. <sup>B-A 1400</sup>    | 2 Ovenbirds <sup>1400 HPA</sup>         |
| 1 Gr. Kiskadee <sup>1500</sup>          | 2 Yell.-br. Chat <sup>1800 HPA</sup>    |
| 8 Dusky-cap. Flyc. <sup>var. act.</sup> | 7 Wilson's W. <sup>has 2 imm.</sup>     |
| 1 W. Wood Pewee <sup>B-A</sup>          | 3 Am Redstart <sup>1500</sup>           |
| 1 Eye-ringed Flatbill <sup>1600</sup>   | 8 Gold.-cr. W. <sup>var. act.</sup>     |
| 1 Gray-br. Martin <sup>L. Cat.</sup>    | 4 Rufous-c. W. <sup>1400 B-A</sup>      |
| 6 Rough-wi. Sw. <sup>B-A</sup>          | 7 M. Oropendola <sup>B-A</sup>          |
| 2+ Green Jay <sup>1700</sup>            | 1 Yell.-br. Cocique <sup>1500 B-A</sup> |
| 15 Brown Jay                            | 600 Bronzed Cowbird <sup>HPA</sup>      |
| 1+ Band-b. Wren <sup>B-A</sup>          | 125 Boat-t. Gr. <sup>20-B-A</sup>       |
| 2 Spot-br. Wren <sup>B-A</sup>          | 1 Melod. Blb. <sup>B-A</sup>            |

pr. of Yell.-thr. Eng. cany  
nesting material to check again  
1500' B.A. 1

1 Orchard Oriole 1500	5 Bl.-face Grosb. 1500
1 Baltimore Oriole ✓ "	3 Indigo Bunting 1500
2 Bl.-crowned Oriole "	1 Blue-bl. Grosb. 1400
2 Scrub Euphonia "	7 Yell.-face Gr. 1500
6 Yell.-thr. Eng. 1600 1400	'singing fully
2 Bl.-gr. Tan. 14PA	5 Dickcissel 1500 ✓
6 Yell.-wi. Tan. 15-1600	3 Wh.-coll. Sisk. B-A
1 Gr.-coll. Tan. 1500	1 Blue-bl. Grosz. }
1 Red-cr. Ant-T. 1500	1 Wash.-b. Gull }
34 Buff-Thr. Sact. B-A	2 Olive Sp. 1500
2 Rusty Sp. B-A	20 Lincoln Sp. B-A 1400
	1 Swainson's Thr. 1500

April 13, 1960 Wed. HPA - B-A

51, 615.5

temp. 65° HPA

fair, clear, full moon 64° B-A

6:15-12M

howler roaring  
continually  
for 10-15 min

sl. barometer drops

slight dew

83° - B-A 12M

dawn earlier - 5:30

wind NW-W 5-20

now  
12M - 1:30PM

- Coyote Rd. - lunch tree

ground fog

Worked road 2 down to about 1100 feet and then ascended to short cut trail to trail B. Worked trail B down to about 1300' and then back to B-A. Also on way down we worked spring trail.

The howler monkey gave us a great demonstration of roaring for quite a while early in AM. Birds were quite active. Euphonias were carrying nesting material and also Black faced Grosbeaks were doing likewise. Source of "aunk" sound is the Yellow-billed Cacique. Heard the wo wo call again. Also the double note cooing that we apparently heard on San Martin. Wind increased somewhat from NW and clouds started to come in from Gulf later in AM but apparently did not have enough gradient and moisture to cross ridge into Catemaco basin. Found a

dead tropical green snake on road  
2 - it measured 5'6". Collected a  
White-bellied Emerald - this  
hummer is apparently one of the  
commoner species in the area -  
it resembles a female of other  
species. We have seen from 2 to  
5 almost every day.

- |   |  |
|---|--|
| 3 Rufous. Tanager   | 2 Osprey <sup>1 over rd.</sup> <sup>1 Coyote Rd.</sup> |
| 15 Oliv. Cormorant L. Cat.  | 2 Sparrow N. <sup>✓</sup>                              |
| 4 Green Heron HPA   | 8+ Pl. Cuckoo <sup>2 gr.</sup> <sup>1 slope</sup>      |
| 50 Snowy Egret L. Cat.  | 6 Laughing Gull <sup>1 L. Cat.</sup>                   |
| 2 Bl.-Gr. W. Heron <sup>N</sup>   | 5 Red-bi. Pigeon <sup>1 slope</sup>                    |
| 30 Black Vulture  | 2 Short-bi. Pigeon <sup>1500</sup> <sup>1300</sup>     |
| 8 T. Vulture  | 5 R. Gr. Dove 1-B-A                                    |
| 1 Wh.-t. Kite HPA   | 4 Wh.-tig. Dove <sup>1200'</sup>                       |
| 2 Sh.-sh. Hawk <sup>1 slope</sup>   | 17 O.L.-thr. Para. B-A                                 |
| 150 Brook-w. Hawk <sup>12:30-1:30</sup> <sup>over Coyote Rd. &amp; bridge</sup> |  |
| 2 Roadside N. B-A <sup>5 ft</sup>   | 2 Squirrel Cuckoo <sup>1300</sup>                      |
| 3 Gray Hawk <sup>1-B-A</sup> <sup>over</sup> <sup>1 slope</sup>                 | 2 Gr.-bi. Ani HPA                                      |
| 2 White Hawk <sup>over</sup> <sup>1 slope</sup>                                 | 1 Parakeet <sup>nite</sup> <sup>HPA</sup>              |
| 1 Gr. Bl. Hawk  | 10 Vaux <sup>2 Swifts</sup> <sup>1 slope</sup>         |

- several  
mid. larger dark  
swifts - over slope  
possibly Bl.-Swift.
- |                        |           |                         |           |
|------------------------|-----------|-------------------------|-----------|
| 1 Long-t. Hermit       | 1500      | 2 Vermil.-cr. Flyc. HPA |           |
| 2 Gr.-ls. Mango        | B-A 1300  | 2 Gr. Kingbird          |           |
| 4 Wh.-bell. Emerald    | 1400 1200 | 1 Gr.-cr. Flyc.         | ✓ 1200    |
| 7 Bar-t. Trogon        | 12-1600   | 10 Dusky-cap. Flyc.     | var. alt. |
| 1 Violaceous Trogon    | 1300      | 1 W. Wood Pewee         | 1500      |
| 3 Ringed Kingf.        | L. Cat.   | 2 Yell.-bell. Flyc.     | ✓ 1300    |
| 4 Bl.-cr. Motmot       | B-A 1300  | 20 R.-wing. Sw.         | 3-B-A     |
| 2 Keel-bi. Toucan      | 1400      | 2 Mangrove Sw.          | L. Cat.   |
| 2 Gold.-olive Wgph.    | 1400 B-A  | 2+ Green Jay            | 1400      |
| 6 Gold.-gr. Wgph.      | var. alt. | 15 Br. Jay              | 2-1400    |
| 2 Oliv. Woodcreeper    | 1400      | 1 Band-b. Wren          | B-A       |
| 1 Ivory-bill. Wcreeper | 1200      | 5 Spot-b. Wren          | var. alt. |
| 1 Barred Antbird       | B-A       | 7 Wh.-ls. Wood Wb.      | "         |
| 2 Br.-r. Attila        | 1300 B-A  | 10 Wh.-thr. Robin       | 1300-1500 |
| 7 Masked Tityra        | var. alt. | 8 Clay-col. Robin       | 1         |
| 1 Sulphur bell. Flyc.  | B-A       | 2 Swainson's Thr.       | ✓ 1300    |
| 3 Streaked Flyc.       | B-A 1300  | 4 Yell.-gr. Vireo       | 1400      |
| 3 Boat-bi. Flyc.       | var. alt. | 1 Gray-h. Green         | 1300      |
|                        |           | 20 Red-l. Honeycr.      | var. alt. |
|                        |           | 2 Baranaguit            | 1400      |
|                        |           | 1 Magnolia W.           | ✓ 1400    |

1 Bl.-thr. Gr. W. ✓ 1400	1 Balt. Oriole ✓ 1400
1 Ovenbird HPA	5 Yell.-thr. Eys. <sup>var. alt.</sup>
1 Gray-cr. Yellow. <sup>SFA</sup>	1 Blue-gr. Tan. HPA
1 Yell. Cr. Chat ✓ 1400	10 Yell.-wi. Tan. <sup>var. alt.</sup>
10 Wilson's W. <sup>var. alt.</sup> ✓ 1400	3 Cr.-coll. Tan. 1300
1 Am. Redstart ✓ 1400	2 Red-cr. Ant-T. 1400
4 Golden-cr. W. 1300	5 Buff-thr. Salt. <sup>B-A</sup> 1400
1 M. Oriole <sup>Coyote</sup>	8 Bl.-faced Gr. 1400
4 Yell.-bl. Cuckoo <sup>B-A</sup> 1300	3 Indigo B. ✓ 1300
8 Giant Cowbird <sup>Coyote</sup>	1 Blue-bl. Grass. 1500
500 Bronzed Cowb. <sup>1-1400</sup> HPA	5 Yell.-face Gr. <sup>B-A</sup>
150 Boat-t. Gr. <sup>4-B-A</sup>	1 Bl.-bl. Grass. <sup>B-A</sup>
4 Melod. Blb. <sup>2</sup> B-A	4 Ch.-cap. Br.-F. <sup>12-1300</sup>
3 Bl.-couled Oriole <sup>1400</sup>	3 Olive Sp. <sup>2-B-A</sup>
22 Heron Sp. <sup>13-A</sup> ✓	1 Rusty Sp. <sup>B-A</sup>

April 14, 1960 Thurs. HPA - B-A  
 clear, fair, slight dew, <sup>hazy</sup> <sup>ground</sup>  
 51, 62 7.4 temp. 67° <sup>HPA</sup> <sup>87°</sup>  
 B-A → 6:15 - 12 M <sup>B-A</sup> <sup>B-A</sup>  
 always to Coyote Rd to Santee Rd 1.8 Coy. Rd - B-A  
 to lunch to 2 PM 1.6 mi. N. HPA

68

wind NE 0 to 25 mph later in day

Worked road 2 adj. to B-A and then road 1 to trail A, up trail A to about 1700' and return. Yell-wing. Tan carryj nesting material, also Bonaparte's & yell.-thr. Lophos. 2-3 possible doves making low, moaning-cooing sound in dense cover - could not locate. Two eagles passed over and each time bawler monkey roared, apparently instigated by plane. Also heard loud, clear who were! again, repeated several times on west mt. nr. B-A and later many times in rapid succession on E mountain. Honeycreepers have not seemed to be so concentrated the past few days - possibly they are scattering to nest. Clouds moving up slope until toward noon and in P.M. they were heavy and coming slightly over saddles in mt. ridge. Yesterday evening they had come thru Coyame Gap and moved for over eastern part of lake.

Apparently they are doing the same tonight  
~~to~~ and even are over the hotel area.

A flock of about 175 Franklin's Gulls  
was wheeling over ridge about 1:30 PM  
& another of about 60 came N over  
NW end of I. Cate. Possibly the other  
flock of gulls over I. Cate. The other  
day was this species. At last found  
a Tawny-brown Wdgr. in heavy  
bamboo along road 1 about 1500'.

Also saw 3-5 Tawny-cr. Grebelets  
in forest along trail A at about 1500  
& up to 1600+ feet.

- |   |   |
|---|---|
| 3 Purple-cr. Tanager <sup>Dray.</sup> all     | 4 Swainson's N. <sup>Coyama Rd.</sup>             |
| 10 Olive Cormorant <sup>L. Cate</sup>         | 2 Gray Hawk 1-B-A                                 |
| 6 Green Heron HPA                             | 4 Osprey <sup>Coyama Rd.</sup> <sup>L. Cate</sup> |
| 1 Com. Egret <sup>NW</sup> <sup>L. Cate</sup> | 1 Cr. Caracara                                    |
| 25 Snowy Egret                                | 7 Sparrow N. <sup>migr.</sup>                     |
| 25 Bl. Vulture                                | 10+ Bl. Chachalaca <sup>(3000)</sup> B-A          |
| 5 T. Vulture                                  |   |

Broad-w. Hawk <sup>2 on slope</sup> 12-2 PM NW  
128 - Coyama Rd. <sup>L. Cate</sup>

6 Sh-sh. N. <sup>1 on slope</sup>	3 Laughing G. <sup>L. Cate</sup>
-----------------------------------	----------------------------------

- |                             |                                      |
|-----------------------------|--------------------------------------|
| 235 Franklin's Gull ✓       | 2 Barred Antelope 8-A                |
| 3 Red-bi. Pigeon            | 3 Bl.-r. Attila var. alt.            |
| 3 Sh.-bi. Pigeon 14-1500    | 4 Masked Tityra "                    |
| 2 R. Gr. Dove 1-B-A         | 4 Tr. Kingbird 8-A                   |
| 3 Wh.-tip. Dove 14-1500     | 2 Sulphur-bell Flyc. B-A 1500        |
| 1 Gr.-bi. Ori HPA           | <del>Striped Flyc.</del>             |
| 20 Vaux's Swift slope       | 5 Boat-bi. Flyc. B-A 1500            |
| 100 Black Swift slope       | 1 Gr.-cr. Flyc. <del>Coysa</del> Rd. |
| 1 Long-t. Hermit 1600       | 6 Ruby-cap. Flyc. var. alt.          |
| 1 Gr.-br. Mango 1500        | 1 W. Wood Pewee B-A                  |
| 1 Fork-t. Emerald HPA       | 50+ Rough-w. Sw. 8-B-A               |
| 1 Wh.-bell. Emerald 1600    | 10+ Barn Sw. <del>NW</del> Cate. L.  |
| 5 Bar.-t. Trogon var. alt.  | 6+ Green Jay 16-1700                 |
| 2 Violaceous Trogon "       | 12 Brown Jay 1200                    |
| 4 Bl.-cr. Motmot 14-1700    | 2 Band-b. Wren B-A                   |
| 2 Emerald Toucanet B-A 1500 | 3 Spot-br. Wren var. alt.            |
| 1 Keel-bi. Toucan           | 7 Wh.-br. Wood W. "                  |
| 1 Chestnut-col. Wdph. 1600  | 5 Wh.-thr. Robin 1600                |
| 5 Gold-fr. Wdph. var. alt.  | 5 Clay-col. Robin                    |
| 1 Smoky-br. Wdph. 1500      | 4 Yell.-sp. Vireo 1500               |
| 2 Oliv. Woodpe. 1600        | 3 Tawny-cr. Greenlet 1600 1500       |
| 2 Drog.-bi. Wdph.           | 1 Gray-h. Greenlet 1500              |

Found 3-4 Coatis foraging thru  
bamboo off trail A about 1500'.

12 <sup>+</sup> Red-l. Honeycr. 1500	2 Bl.-cowl. Oriole B-A
4 Bananquit B-A 1500	2 Scrub Euphonia 1500
1 Magnolia W. B-A	6 Yell.-thr. Euphonia "
1 Bl.-thr. Gr. W. 1500	2 Bl.-gr. Tan. HPA
2 Gr.-cr. Yell.-thr. B-A	8 Yell.-wi. Tan. var. alt.
6 Wilson's W. var. alt.	2 Cr.-coll. Tan. 1500
1 Yell.-ls. Chat 1500	1 Red-thr. Ant-T. 1600
1 Am. Redstart 1500	3 Buff.-thr. Salt. B-A
7 Gold.-cr. W. 1500 1600	6 Bl.-face. Grosb. 1500
3 R.-cap. W. 1580 A	1 Rose-ls. Grosb. 1600
1 M. Oropendola common	4 Yell.-g. Grosb. B-A
2 Yell.-li. Coccyz 1500	3 Wh.-coll. Sisk. 1400 B-A
40 Bl.-cowl. HPA	3 Bl.-bl. Grosb. B-A
60 Boat-t. Gr. 4-B-A	4 Olive Sp. 1400 B-A
7 Melod. Blb.	2 Rusty Sp. B-A
	20 Lincoln's Sp. B-A

April 15, 1960 Friday HPA - B-A

51,639.4 6:15 - 7:15 (10:30) 74° - HPA

ptly. cloudy, showers earlier, very humid  
+ thunder & lightning about 3AM (slight)

77°-B-A slope covered with dense cloud.

"Norte" still rolling in until even tops of hills behind hotel are covered in PM. Worked B-A for about an hour but conditions very poor for observation. Then went down to Coyane and return to B-A where clouds were still as dense. Left about 10:30 AM to Catecas for haircut. + returns. Heard dove like oo-coo on E hill and also who were! along row thicket on west side of B-A. Chachalacos very vociferous this AM. Also low mooring <sup>early</sup> ~~late~~ <sup>Apr</sup> ~~late~~.

1 Rufescent Tanager <sup>1-B-A</sup>	1 Wh.-tail. Kite <sup>Coyane Rd.</sup>
1 Pied-b. Grebe L. Cat. N	1 Roadside H. }
10 Or. Cormorant }	2 Gray H. }
10 Green Heron }	15+ Pl. Chachalaca
6 L. Blue Heron <sup>Coyane Rd.</sup>	4 L. Gull <sup>L. Cat.</sup>
7 C. Egret <sup>L. Cat. NW</sup>	2 Red-bi. Pigeon #
25 Snowy Egret }	4 mourning Dove <sup>5 of B-A</sup>
1 Bl.-cr. N. Heron }	1 Sh.-bill. Pigeon B-A
25 Bl. Vulture	1 R. Gr. Dove 1+
6 T. Vulture	3 Wh.-tip. Dove <sup>Coyane Rd.</sup>
	31 mid. parrots Red-b.?

10 Gr.-bi. Ani Coy. Rd.

1 Bar-t. Trogon B-A

2 Ringed King. L. lat.

2 Bl.-cr. Motmot 1-B-A

2 Keel-bi. Toucan Coy. Rd.

1 Lineated Wdph.

8 Gold-fr. Wdph. 2-B-A

1 Ladder-br. Wdph. Coy. Rd.

1 Ivory-bi. Wdph. B-A

1 Rufous-br. Spintail Coy. Rd.

1 Banded Antthr. B-A

1 Br.-r. Attila B-A

4 Masked Tityra Coy. Rd.

3 Sciss.-T. Flyc. ✓

12 Trop. Kingb. B-A

1 Piratic Flyc. Coy. Rd.

2 Sulphur-bell. Flyc. B-A

2 Boat-bi. Flyc. 2-B-A

4 Vermil.-cr. Flyc. Coy. Rd.

7 Gr. Kingbird

1 Br.-cr. Flyc. B-A

4 Dusky-coy Flyc.

2 W. Wood Pewee Coy. Rd.

2 Gr.-br. Martin

20 R.-wing. Sw.

3 Bank Sw. ✓ Coy. Rd.

15 Barn Sw. ✓

1 Tree Sw. ✓

2 Mangrove Sw.

4 Green Jay B-A

30 Brown Jay

3 Band-br. Wren B-A

3 Sp.-br. Wren 1-B-A

1 Catbird Coy. Rd.

5 Clay-col. R. B-A

1 Yell.-gr. V. Coy. Rd.

1 Red-l. Honey.

1 Bananaquit B-A

6 Yellow W. Coy. Rd.

2 Magnolia W. 1-B-A

1 C. Yellowthroat B-A

6 Gr.-cr. Yell.

1 Yell.-br. Cat B-A

3 Wilson's W. ✓

1 Am. Redstart ✓	2 Cr.-coll. Tan. <sup>Co. Rd.</sup>
1 Gold-cr. W. B-A	1 Red-thr. Ant-T. B-A
1 Ruf.-cap. W. B-A	4 Buff-thr. Sact. 4-B-A
11 M. Oropendola <sup>B-A</sup>	2 Grayish Sact. <sup>Co. Rd.</sup>
6 Giant Coub. <sup>Co. Rd.</sup>	2 Bl.-fac. Grosb. B-A
40 Br. Cowbird	3 C. Cardinal 2-B-A
80 B.-t. Grackle	3 Blue Grosb. <del>2-B-A</del>
12 Melod. Bell.	10 Indigo B. ✓
35 Orchard Or. <sup>Co. Rd.</sup>	2 Painted B. <del>B-A</del>
10 Balt. Oriole	2 Yell.-g. Grosb. <sup>B-A</sup>
1 Bl.-cowl. Oriole <sup>B-A</sup>	60 Wh.-coll. Seede. <sup>B-A</sup>
1 Bl.-gr. Tan. HPA	5 Bl.-bl. Grosb. <sup>B-A</sup>
4 Yell.-wi. Tan. <sup>2-B-A</sup>	1 Warb.-h. Gold. <sup>B-A</sup>
4 Rusty Sp. <sup>3-B-A</sup>	8 Olive Sparrow <sup>5-B-A</sup>
	20 Lincoln Sp. <sup>15-B-A</sup>

April 16, 1960 Sat. HPA to B-A

51, 668, 7 fair, partly cloudy - to clear  
 3:30-12M wind 10-25 SE decreasing  
 Temp. 73° <sup>B-A</sup> clouds coming up slope  
 moon waning map. temp. 86° 12M  
 Sbut dissipated rapidly lunch on Copwell

Worked down road 2 to Poz Amates  
and below about 2 miles to approx.  
100' a.s.l. Major stream at about  
200' has a rather steep gradient & may  
have falls below. Below P. Amates  
there are cornfields, a few banana plan-  
tations, pastures and considerable  
bushy areas, scrub forest & bamboo.  
There are patches of heavy, large tree forest  
about 2 miles beyond Poz Amates, and  
also on the slopes of some of the  
low hills. The higher hills adjacent  
to the main mountain ridge appear  
almost entirely forest covered. The  
road below Poz Amates goes  
north somewhat parallel to Barra  
Santecruz and about a little  
over a mile away. The road appears  
to trend away from the bay toward  
La Palma. At B.A. we used  
flashlights & walked up to within  
5 ft. of a Paroquet. There were a

4:10 AM - 6:10

B-A to Diamantes to 100' a.s.l.

Two here and below Diamantes may  
have calling and in the road. Heard  
howler roars once about 4:20 AM.

Heard how 3hoot one on slope  
E of B-A and two more at about  
800' elev. Westward from the road  
below Diamantes. Out-Ton,

\* Spot-bl. Wren seen to prefer the  
low dense woodland and scrub  
along road below the village.

The forest in the coastal plain  
bordering Barra Lontesomapan  
appears to be of a low nature but  
this may be illusion because  
observed from higher altitude. First

part of Paraque call sounds like  
who-where! call heard at B-A.

1 Rufesc. Tin. 600'

7 Oliv. Cormor. l. cates

3 Green Heron

20 Snowy Egret

30 Bl. Vulture

7 T. Vulture

2 Sh.-sh. Hawk ~~slope~~

43 Br.-wi. Hawk ✓

2 Roadside H. <sup>low on</sup> slope

3 Gray Hawk "

slimmer wings  
tip Gr. B.H.  
long tail, black

- |  |   |
|--|---|
| 2 rose. Bl.-Crane-Hawk                       | 1 Rufous-t. H. 200'                                 |
| 1 Gr. Caracara 800'                          | 2 Br.-t. Trogon <sup>300'</sup> <del>200'</del>     |
| 1 Aplomado Falcon <sup>over ridge</sup> 800' | 2 Vidua Tr. 500                                     |
| 4 <sup>+</sup> Pl. Chachalaca                | 3 Bl.-cr. Motmot <sup>300'</sup>                    |
| 2 Laugh. Gull <sup>L. cati</sup>             | 2 Keel-bi. Toucan <sup>600'</sup>                   |
| 3 Short-bi. Pigeon <sup>400'</sup>           | 8 Gold-fr. Warbl. <sup>near</sup> alt.              |
| 1 Inca Dove HPA                              | 1 Tawny-bi. Wood. <sup>1200</sup> <sup>Gr. A.</sup> |
| 2 low moaning too 400'                       | 3 Ivory-bi. Woodc. <sup>near</sup> alt.             |
| 1 R.-Gr. Dove 700'                           | 4 Ruf. br. Sparrowtail 6-700                        |
| 4 Wh.-tip. Dove <sup>3-600'</sup>            | 4 Barred Antthr. 6-900                              |
| 8 mind. parakeets 800'                       | 2 Br.-r. Attila 4-500                               |
| 3 <sup>+</sup> Red-bellied Parrot 500'       | 5 Masked Titjara                                    |
| 2 Gr.-bi. Ani HPA                            | 3 Trop. Kingb. 800'                                 |
| 3 mind. owls. (3 hoots)                      | 1 Parrot Fgc. 700'                                  |
| 15 Parakeet 1-BA <sup>8-600'</sup>           | 1 Sulphur-bell. Fgc. <sup>low</sup>                 |
| 5 Vaux's Swift - slope                       | 16 Boat-bi. Fgc.                                    |
| 20 Wh.-coll. Sw. 500'                        | 4 Vermil.-cr. Fgc. 100'                             |
| 2 L.-t. Hermit <sup>near</sup> alt.          | 5 Gr. Kiskadee scattered                            |
| 1 Violet Sabre-w.                            | 1 Br.-cr. Fgc. 700                                  |
| 1 Gr.-br. Mango 1400                         | 4 Dusky-coq. Fgc. 400                               |
| 2 Fork-t. Emerald <sup>1 HPA</sup> 700'      | 2 <sup>+</sup> mind. Fgc. 2 least?                  |

- |  |  |
|--|--|
| 2 Gr.-br. Martin 800'                                  | 150 Bronzed Cowb. NPA                  |
| 7 <sup>+</sup> R.-w. Swallow B-A + lower               | 70 B.-T. Gr.                           |
| 2 <sup>6</sup> Green Jay 4-600'                        | 12 Melod. Blb. <sup>var</sup> alt.     |
| 25 Brown Jay (15) 3-800'                               | 2 Bl.-gr. Tan. 100'                    |
| 2 Band-bk. W. B-A                                      | 6 Yell.-wi. Tan. 3-500'                |
| 15 Spot-br. Wren 2-700' 13-1500'                       | 1 <sup>+</sup> Red-cr. A.-T. 600'      |
| 6 Wh.-br. W. Wren 4-600'                               | 1 <sup>+</sup> Red-thr. A.-T.          |
| 10 <sup>Swainson's Thrush</sup> Clay-cob. Robin 3-700' | 20 may mind. A.-Tan. 3-800'            |
| 4 Yell.-gr. Vireo 3-800'                               | 1 Gray-h. Tan. <sup>Tn. A</sup> 1200'  |
| 4 Catbird 3-800' ✓                                     | 4 Blue-thr. Salt. 100'                 |
| 1 Gr.-h. Greenlet 300'                                 | 2 <sup>+</sup> poss. Bl.-h. Salt. 800' |
| 8 Red-l. Honeycr. <sup>var.</sup> alt. 800'            | 1 Grayish Salt. 600'                   |
| 2 Bl.-h. W. ✓ 800'                                     | 4 Bl.-f. Gros. 1-1400' 300'            |
| 3 Magnolia W. ✓ 3-500'                                 | 3 C. Cardinal 800' ✓                   |
| 1 Tennessee W. ✓ 1400'                                 | 2 Rose-br. Grosb. 500' ✓               |
| 4 Gr.-cr. Yellowthr. <sup>breed</sup> 900'             | 6 Indigo B. 6-800' ✓                   |
| 1 Yell.-br. Chat ✓ 800'                                | 3 Painted B. 7-800' ✓                  |
| 7 Wilson's W. <sup>var</sup> alt. ✓                    | 7 Yell.-f. Gr. 6-900'                  |
| 2 Rufous-cap. W. 700'                                  | 35 Wh.-coll. Seed. 10 6-800'           |
| 25 M. Arrephola 300-700'                               | 3 Olive Sp. 5-900'                     |
| 1 Yell.-br. Cuckoo 600'                                | 2 Rusty Sp. 700'                       |
| 6 Giant Cowbird 500'                                   | 3 Lincoln Sp. 700' ✓                   |

1 Lark sp. about 800' last time  
to lowest alt.

April 17, 1960 Sun. B-A

fair, warm, hazy temp. 73° - HPA  
3:45 - 11:15 wind southerly 5-15  
51,680.6 max. temp. 89° 11:15 B-A

considerably more humid and some-  
what warmer the last two days.

94° at HPA this afternoon.

Worked road 1 with lights to trail  
A and up trail to about 1600 at  
junction of clearing trail. Wavon  
chows is considerable. Heard 2-3  
"Shooter" owls, Paraguas and at  
lookout were treated to fine, wild  
calling (about 200 yds. away) by howler  
monkey. Full, low and loud roars -  
sounded every bit like the roars of  
a large cat. Again heard loud,  
rich who-who! calls from just below  
Road 1. Tried in vain to collect dove  
with low moan - saw them sev.  
times but they remain still until  
they fly - appear to be all white

they seem to feed in dense bamboo  
below with white tail tips. Also  
heard two note dove-like call  
from various places. Flushed twice  
a large rufous (8 1/2-9") long tailed  
bird from trail A <sup>near Road</sup> - may be a  
Rufous Pigeon. Collected one of two  
small doves just above trail A -  
♀ Ruddy Quail-Dove - first for area  
& life. Also heard several doves  
giving Screech Owl like call. Just  
as we were about to leave the car  
a Barn Owl ~~flew~~ in from the  
south and perched in a tree in B-A.

1 Rufesc. Tanager	3 Short-bi. Pigeon <sup>14-1800</sup>
2 Green Heron HPA	3 Inca Dove HPA
6 Snowy Egret L. Cat.	2 R. Gr. Dove <sup>500</sup> B-A
1 Bl.-ch. N. Heron B-A	<u>500</u> <u>flying down slope</u>
90 Bl. Vulture	
6 T. Vulture	2 Wh.-tipped Dove <sup>1500</sup>
2 Broad-w. Hawk <sup>one slope</sup>	2 Ruddy Quail-Dove <sup>T.A.</sup>
6+ Pl. Chachalaca 1400	1 Barn Owl B-A
1 Red-b. Pigeon 1400	3 "3 host ones" - Wood Owl <sup>slope?</sup>

- at about 1800 feet off trail A & heard & then saw two ~~accidentally~~ <sup>accidentally</sup> ~~moving~~ <sup>moving</sup> ~~in~~ <sup>in</sup> ~~the~~ <sup>the</sup> ~~area~~ <sup>area</sup> as I was crouched in. ~~bamboo~~ <sup>bamboo</sup> ~~thicket~~ <sup>thicket</sup> ~~about~~ <sup>about</sup> 20 ft. ~~from~~ <sup>from</sup> ~~me~~ <sup>me</sup> & after a few minutes ~~came~~ <sup>came</sup> ~~back~~ <sup>back</sup> ~~again~~ <sup>again</sup>.  
 They ~~came~~ <sup>came</sup> ~~about~~ <sup>about</sup> 20 ft. ~~from~~ <sup>from</sup> ~~me~~ <sup>me</sup> & after a few minutes ~~came~~ <sup>came</sup> ~~back~~ <sup>back</sup> ~~again~~ <sup>again</sup>.  
 Vermo:
- |                                  |                                    |
|----------------------------------|------------------------------------|
| 3-4 prob. Screech Owl            | 2 5 got - dr. Wren                 |
| 9 Parakeet 5-HPA                 | 3 So. House Wren Road 1            |
| 1 4- Rd. 1                       | 6 Wh.-br. Wood Wks.                |
| 1 4- Rd. 1                       | 5 Wh.-thr. Robin 1600              |
| 6 Van's Swift slope              | 2 Clay-col. Robin                  |
| 1 Long-t. Hermit 1600            | 2 Yell.-gr. Vireo Rd. 1            |
| 1 Wh.-bell. Emerald 1500         | 2 Tawny-cr. Gnatcatcher 1500 Tr. A |
| 2 Bar-t. Trogon B-A ↑            | 1 Gray Ch. Gnatcatcher ↑           |
| 3 Bl.-cr. Motmot ↑               | 2 Red-b. Honeyc.                   |
| 1 Keel-br. Toucan 1500           | 1 Bananaquit 1600 Tr. A            |
| 1 Gold.-olive Wgph. 1500         | 1 Yellow W. HPA                    |
| 3 Gold.-gr. Wgph.                | 1 Magnolia W. HPA                  |
| 1 Ivory-bi. Wdcrp. 1500          | 1 Overbird Tr. A 1500              |
| 1 Buff-thr. F.-Gr. 1600          | 1 La. Waterthr. HPA                |
| 1 Br.-r. Attila 1500             | 1 Wilson's Warb. HPA               |
| 2 Masked Tityra                  | 1 Canada W. Tr. A 1500             |
| 1 Boat-br. Flyc. B-A             | 8 Gold.-cr. Warbler alt.           |
| 1 Gr.-cr. Flyc. 1700             | 1 Yell.-br. Cacique 1600 B-A       |
| 5 Dusky-cap. Flyc. alt. non.     | 15 Br. C. Wren HPA                 |
| 1 W. Wood Pewee B-A              | 10 Boat-t. Gr.                     |
| 1 Eye-ringed Flatbill Tr. A 1500 | 5 Melod. Blb. HPA                  |
| 6 R.-wing. Sw. B-A               |                                    |
| 2+ Green Jay 15-1800             |                                    |
| 10+ Brown Jay 1000-1800          | first bird calling at dawn.        |

75

- |   |                                |
|---|--------------------------------|
| 1 Balt. Oriole <sup>S</sup> ? <sup>T.A.</sup> 1600  | 1 Lincoln's Sp. <sup>B-A</sup> |
| 1 Bl.-coll. Oriole <sup>Red. 1</sup> 1500           |                                |
| 1 Bl.-gray Tan. HPA                                 | spent most of AM               |
| 2 Red-thr. Ant-T. <sup>T.A.</sup> 1600              | in dash on rd 1 &              |
| 3 Bl.-face Grosb. <sup>1500</sup> <sup>Red. 1</sup> | trail A and in                 |
| 2 Yell.-face Gr. B-A                                | woods on Trail A               |
| 4 Wh.-coll. Seed. B-A                               | so list of species             |
| 2 Blue-bl. Grosq. B-A                               | is shorter than                |
| 2 Chestnut-cop. B. F. + Trail A                     | normal.                        |

April 18, 1960 Monday HPA - B-A

warm, humid, fair, partly cloudy  
51,689.2 76° HPA

slight bar. rise. 1 in. 71° B-A

at B-A clouds over slope down to 40' at  
times & moving fast on 10-25 mph. NE with  
sprinkles of rain. increasing.

6:15 - 10 AM

later heavy rain &  
higher but complete

cloud cover

late PM moderate rain at  
HPA

barometer  
continues  
to rise  
slightly

to 40' up  
as north  
comes in.

67° - B-A 10 AM  
strong north.

Worked down road 1 to trail A &  
up trail A to about 1560' + return

Fresh winds, rain, heavy at times, and  
poor visibility made observation almost  
impossible. Few birds in song or visible.  
Heard howler roar once. Collected some  
tree and shrub specimens. Got quite  
wet doing it. Used shotgun to obtain  
some branches from large trees.

Went into S. Andrie's T. for supplies,  
etc. Pressed plants. Saw a tayra  
on a downed tree trunk and observed it  
very well as it walked along and dis-  
appeared among branches. - about 65 yds.  
away. Whole head and nape grayish-  
white.

- |  |   |
|--|---|
| 1 Rufesc. Tinamou                              | 2 Sparrow H. <sup>road</sup> <del>S.A.</del>          |
| 2 Least Grebe <sup>L. Cat.</sup>               | 4+ Pl. Chachalaca                                     |
| 2 Pied-b. Grebe }                              | 8 Laughing G. <sup>L. Cat.</sup>                      |
| 12 Oliv. Cormorant                             | 65 Franklin's G. <sup>60' over</sup> <del>along</del> |
| 1 Mag. Fr.-Bird <sup>over</sup> <del>B-A</del> | 1 Red-bi. Pigeon <sup>HPA</sup>                       |
| 4 Green Heron <sup>HPA</sup>                   | 1 Sh.-bi. Pigeon 1400                                 |
| 35 Snowy Egret <sup>L. Cat.</sup>              | 3 Inca Dove <sup>HPA</sup>                            |
| 20 Bl. Vulture                                 | 4 R. Ground W.!                                       |

- 2 Mourning Dove <sup>Soft</sup> B-A  
 6<sup>+</sup> unid. parrots <sup>2-B-A</sup> s. of  
 2 Gr.-bi. Ori <sup>3-A</sup>  
 1 Violaceous Tr. 1500  
 2 Bl.-cr. Motmot 1600  
 2 Gold.-olive Wdphel <sup>1500</sup> Rd. 1  
 1 Chestnut-col. Wdphel <sup>1500</sup> Rd. 1  
 1 Ivory-bi. Wdeyr. B-A  
 1 Buff-thr. Fol.-gl. <sup>1500</sup> Rd. 1  
 1 Br.-rumped Attila  
 sev. prob. S.-bell. Flyc. <sup>Rd. 1</sup>  
 4 Boat-bi. Flyc. <sup>Rd. 1</sup>  
 1 Vermilion-cr. F. HPA  
 3 Gr. Kiskadee <sup>5<sup>+</sup> B-A</sup> HPA  
 2 Dusky-cop. Flyc. <sup>Rd. 1</sup>  
 2 prob. Least Flyc. HPA  
 1 Gray-br. Martin HPA  
 8 Rough-wi. Sw. <sup>6-B-A</sup>  
 2 Mangrove Sw. <sup>6-bi.</sup> HPA  
 20 Brown Jay  
 1<sup>+</sup> Band-b. Wren B-A  
 1 Spot-br. Wren
- 1 Catbird Rd. 1 1500  
 4 Wh.-br. Wood Ws.  
 8 Wh.-thr. Robin Rd. 1  
 2 Clay-col. Robin <sup>1-HPA</sup> 1-B-A  
 7 Yell.-gr. Vireo Rd. 1  
 1 Tawny-cr. Gr. Tr. A  
 1 Gray-br. Gr. <sup>200</sup> Tr. A  
 1 Red-l. Honeyc.  
 1 Bananaquit Tr. A  
 1 Golden-bi. W. <sup>Rd. 1</sup> 1500  
 3 Yell. Warbler <sup>HPA</sup>  
 1 Magnolia W. <sup>HPA</sup>  
 1 La. Waterthrush <sup>1400</sup> Rd. 1  
 1 Mourning W. <sup>HPA</sup>  
 2 Gr.-cr. Yellowthroat B-A  
 2 Wilson's W. <sup>✓</sup>  
 1 Am. Redstart <sup>HPA</sup>  
 4 Gold-cr. Warbler <sup>Tr. A</sup>  
 1 Yell.-bi. Cuckoo <sup>1600</sup> B-A  
 300 Br. Cowbird <sup>5-A-T</sup> Rd. 1  
 30 Boat-t. Gr.  
 2 Melod. Blb. <sup>HPA</sup>  
 2 Balt. Oriole <sup>1500</sup> Rd. 1  
 5<sup>+</sup> Bl.-gr. Tan. <sup>HPA</sup>

- |   |   |
|---|---|
| 2 Red-cr. Ant.-T. <sup>Red 1</sup> 1500 | 1 Dickcissel <sup>throats</sup> HPA     |
| 1 Summer Tan. <sup>7</sup>              | 1 Wh.-coll. Seed.                       |
| 3 Bl.-face. Grosb.                      | 1 Bl.-bl. Grosz. <sup>nd. 70</sup> S.A. |
| 1 C. Cardinal <sup>5-8</sup>            | 1 Dark-b. Goldf. B-A                    |
| 2 Indigo B. <sup>Red 1</sup> 1500       | 1 Olive Sparrow B-A                     |
| 3 Yell.-face. Gr. B-A                   | 2 Rusty Sparrow <sup>2-7</sup> B-A      |
|   | 5 Lincoln's Sp. <sup>2-1</sup> B-A      |

April 19, 1960 Wed.

57, 719.9

6:15-

ptly cldy, fair temp. 68°F HPA  
clouds to north 66° - B-A

barometer steady after rise

wind NE 5-15 - HPA max. 74° B-A  
10 AM

B-A - NE 15-30

clouds kept moving SE over higher peaks. Over area fairly clear. Cu clouds most of day - wind stayed fresh NE cooler, lower humidity. Worked up slope of Carr <sup>Summit</sup> & collected 70 Gray-headed Dove, then solving.

puzzle of low, moaning coo. (1600')  
 Then worked from B-A up cerro on  
 east, then collected and down to  
 Road 2. - Then worked into coffee  
 grove area & across little spring  
 stream and up ravine & hills where  
 I collected double note cooing dove -  
 English-b. Quail Dove & thus  
 solving that question. Caciques <sup>but</sup> may  
 make that who were! note as  
 they were right where notes came  
 from on Cerro ~~Point~~. Harold worked  
 down road 1 to about 1300'. Wind  
 curtailed sound hearing somewhat.  
 Worked rest of AM till 2:30 PM  
 on specimens, then packed to  
 leave in morning for isthmus. Pair  
 of Scrub Euphonia with nesting  
 material in coffee grove. Harold saw  
 Wh.-ls. W. Wrens carrying nesting material  
 also, also heard P. W., Q. W. on V.  
 S. Martin.

- |  |  |
|--|--|
| 2 Rufesc. Tanager <sup>1500</sup>                    | 1 Ringed Kingf. HPA                        |
| 1 Pied-b. Grebe <sup>L. cote</sup>                   | 2 Bl.-cr. Motmot <sup>above B-A</sup>      |
| 5 Oliv. Cormorant                                    | 1 Keel-bi. Toucan <sup>1500 Rd 1</sup>     |
| 2 Green Heron HPA                                    | 1 Golden-olive W. <sup>1400</sup>          |
| 30 Snowy Egret <sup>L. cote</sup>                    | 3 Gold.-fe. Wdphr. <sup>2-B-A</sup>        |
| 20 Bl. Vulture                                       | 1 Olivaceous Woodcr. <sup>1400</sup>       |
| 3 T. Vulture <sup>2 over slope</sup>                 |  |
| 1 Cr. Caracara <sup>5 off B-A</sup>                  | 2 Ivory-bi. Woodcr. <sup>1600 1400</sup>   |
| 4+ Pl. Chachalaca                                    | 2 Buff.-thr. F. <sup>1600 C. over</sup>    |
| 440/ <del>Franklin's</del> Gulls                     | 2 groups <sup>over slope moving</sup>      |
|  | <sup>350 90 N 0</sup>                      |
| 1 Inca Dove HPA                                      | 1 Br.-r. Attila B-A                        |
| 2 Gray-h. Dove <sup>1600 C. over</sup>               |  |
| 4 Purple-sh. Quail Dove <sup>1500 C. over Rd 1</sup> |  |
| 2 Red-tailed Parrot - over Rd. 1                     |  |
| 2 Indid. Parakeet <sup>over B-A</sup>                | 2 Masked Tityra <sup>1500</sup>            |
| 1 Gr.-bi. Ori HPA                                    | 2 Tropical Kingf. <sup>5 off B-A</sup>     |
| 1 Indid. Owl <sup>3-4 host 1 - HPA</sup>             | <u>fairly large 15" 2</u>                  |
| 2 Parakeet <sup>1-1400</sup>                         | 2 Sulphur-b. Flyc. <sup>1600 C. over</sup> |
| 2 Long-t. Hermit <sup>1600 - C. over Rd 2</sup>      |  |
| 1 Wh.-bell. Emerald <sup>1400</sup>                  | 2 Boat-bi. Flyc. <sup>1-B-A</sup>          |
| 3 Bar-t. Trogon <sup>1400</sup>                      | <sup>B-A</sup> 6 Dusky-cop. Flyc.          |
| 1 Violaceous Trogon                                  | 1 W. Wood Pewee B-A                        |

Strong today

Cano. S.  
1600

- |                                       |                                    |
|---------------------------------------|------------------------------------|
| 1 Gr.-ls. Martin HPA                  | 2 Kentucky W. 1400 Rd. 2           |
| 8 Rough-w. Sw. 6-B-A                  | 20 Wilson's W. 1400 Rd. 2          |
| 7 Barn Swallow L. Gato. HPA           | 2 Am. Redstart                     |
| 2 <sup>+</sup> Green Jay              | 7 Gold.-cr. W.                     |
| 10 Brown Jay 5000 arb                 | 1 Rufous-cop. W. B-A               |
| 3 Bank-lr. Wren B-A                   | 4 Yell.-bi. Cuckoo 1600-8A 1400    |
| 3 Spot.-ls. Wren Rd. 2                | 100 Br. Cowbird -HPA               |
| 1 So. House Wren B-A                  | 50 B.-t. Grackle                   |
| 7 Wh.-ls. Wood Ws.                    | 5 Melod. Blb. 3-B-A                |
| 2 <sup>+</sup> Wh.-thr. Robin 14-1600 | 1 Balt. Oriole B-A                 |
| 3 Clay-col. Robin B-A                 | 2 Scrub Euphonia 1400              |
| 6 Yell.-gr. Vireo                     | 2 Yell.-thr. Eng. 1400             |
| 10 Red-l. Honeycr.                    | 4 Bl.-gr. Tan. 2-B-A               |
| 1 Bananaquit 1400x                    | 3 Yell.-wi. Tan. 2-B-A             |
| 2 Bl. + Wh. Warbler Rd. 2             | 2 Red.-cr. Ant. T.                 |
| 1 Worm-e. Warbler                     | 3 Buff-thr. Salt. 1400             |
| 1 Golden-w. W.                        | 4 Bl. face. Grosb. 1400-B-A        |
| 2 Magnolia W.                         | 1 Indigo Bunt. B-A                 |
| 3 Cerulean W.                         | 4 Yell.-f. Grosb. B-A              |
| 1 Blackburn. W.                       | 3 <sup>+</sup> Wh.-coll. Suck. B-A |
| 1 Chestnut-s. W.                      | 2 Bl.-b. Grosb. B-A                |
| 1 Nor. Waterthrush                    | 1 Chestnut-cop. B-F. 1450 Rd. 2    |
|                                       | 1 Olive Sp. 1400                   |

2 Rudy Sparrow - B-A | Lincoln's 25 p. 25-B-A.

April 20, 1960 Wednesday HPA-Tehuantepec  
fair, clouds to N heavy dew  
cool 6:00-7:00

51, 728.6 64° HPA

wind N-NE slight

Catmonas no different in alt. than HPA.

Drove from Catmonas HPA to  
Acapulco, south over isthmus  
to Pan Amer. Hwy., south to  
Juchitan & then west on Pan  
Amer. to Tehuantepec, where stayed  
overnight. Wind shifted to southerly  
beyond continental divide. Fair,  
clear to hazy, Cu clouds. Since  
I crossed isthmus in 1952 there  
has been much clearing of forest-  
nowhere does virgin forest come  
to road edge or within several  
hundred yards. Maggie-Jay, first,  
28 miles north of Pan. Amer.

- 1 Least Grebe L. Cat. <sup>Settlers (Ver.)</sup>  
 2 Pied-b. Grebe  
 2 Oliv. Cormorant <sup>Caracas</sup> <sup>Settlers</sup>  
 1 Green Heron - <sup>Settlers</sup>  
 1 Little Bl. Heron  
 1 Corn. Egret  
 2<sup>+</sup> Snowy Egret L. Cat.  
 13 Lar. Scamp  
 40 Ruddy Duck  
 3 King Vulture <sup>(Ver.)</sup> <sup>Settlers</sup>  
 150 Black Vulture  
 35 T. Vulture  
 1 Wh.-t. Kite <sup>nr. Ver.</sup> <sup>ec. Coyot</sup>  
 (14) Mississippi Kite <sup>Ver.</sup> <sup>Settlers</sup>  
 3 Plumbeous Kite  
 1 Snail Kite  
 10 Broad-wi. Hawk <sup>(Ver.)</sup>  
 1 Swainson's H. <sup>(Ver.)</sup>  
 5 Roadside H. <sup>(Ver.)</sup>  
 3 Gray Hawk <sup>(Ver.)</sup>  
 1 Bay-wi. H. <sup>nr. Par. Am.</sup> <sup>Settlers</sup>
- 1 C. Black Hawk <sup>(Ver.)</sup>  
 1 Laughing Falcon <sup>(Ver.)</sup>  
 7 Cr. Caracara  
 7 Sparrow Hawk ✓  
 7<sup>+</sup> Pl. Chachalaca  
 1 A. Jacana - <sup>Settlers</sup>  
 7 Lar. Yellow. <sup>nr. Par. Am.</sup>  
 3 Solitary S. - <sup>Settlers</sup>  
 2 Spotted S. <sup>nr. Par. Am.</sup> <sup>Settlers</sup>  
 1 Pectoral S.  
 50 Wh.-w. Dove <sup>Settlers</sup> <sup>Carf.</sup>  
 15 Inca Dove  
 10 R. Ground Dove  
 8 C. Ground Dove  
 5 Wh.-tipped Dove  
 60 Mourning Dove  
 6<sup>+</sup> Orange-fronted Parak. <sup>Settlers</sup>  
 20 Gr.-b. Ori  
 1 Bay-wi. H. <sup>nr. Par. Am.</sup> <sup>Settlers</sup> <sup>Hgry.</sup>

Lough. G. 3 - J. Cate.  
Franklin's G. 90 <sup>50</sup> l. cate.

6-8' off. ground  
slope dry forest  
1 on nest  
Oat.

- |  |   |
|--|---|
| 1 <sup>+</sup> Wh.-coll. Swift                   | 10 Maggie-Jay                                     |
| 1 Amazon Kingf. <sup>both</sup>                  | 25 Brown Jay                                      |
| 12 Gold-fr. Warbler                              | 8 Spot-br. Wren                                   |
| <del>2 Buff-thr. Flyc.</del> <sup>both</sup>     | 5 C. Mockingbird                                  |
| 2 Barred Antshrike                               | 4 Clay-col. Robin                                 |
| 1 Br.-r. Attila                                  | 1 Loggerh. Sh. <sup>nr.</sup> <sup>Tehuacan</sup> |
| 8 Masked Tityra                                  | 3 Yell. gr. Vireo                                 |
| 4 Vermilion Flyc. <sup>5</sup> <sup>Tupelo</sup> | 1 <sup>+</sup> Red-l. Honeyc.                     |
| 3 Fork-t. Flyc.                                  | 1 Tennessee Warbl. <sup>both</sup>                |
| 5 Scissor-t. Flyc. <sup>both</sup>               | 2 Yell. Warbler                                   |
| 10 Tropical Kingf.                               | 1 Bl.-thr. Gr. W.                                 |
| 23 Pirate Flyc. <sup>Tupelo</sup>                | <u>both (Var.)</u>                                |
| 7 Boat-bi. Flyc.                                 | 1 Nor. Waterthr. <sup>50</sup> <sup>Tupelo</sup>  |
| 7 Vermil.-cr. Flyc.                              | 1 C. Yellowthr.                                   |
| 8 Gr. Kingbird                                   | 2 Gr.-cr. Yellowthr.                              |
| 2 Br.-cr. Flyc.                                  | 2 Yell.-br. Chat <sup>both</sup>                  |
| 10 Dusky-cap. Flyc.                              | 4 House Sp. <sup>Tehuacan</sup>                   |
| 40 Gr.-br. Martin                                | 2 Yell.-br. Cuckoo                                |
| 50 <del>Gr.</del> R.-wi. Sw.                     | 80 <sup>+</sup> Br. Cowbird                       |
| 60 Barn Swallow                                  | 45 Gt.-t. Grackle                                 |
| 1 Mangrove Sw.                                   | 25 Melod. Blb.                                    |
| mil. Swallows 300                                | 5 Balt. Oriole                                    |

- |                                |  |
|--------------------------------|--|
| 10 Orchard Oriole              | 12 C. Cardinal 5                         |
| 8 Bl.-thr. Oriole              | 15 Wh.-coll. Seede.                      |
| 1 C. Meadowlark                | 1 <sup>+</sup> Bl.-bl. Grosz.            |
| 2 Yell.-thr. Euphonia          | 9 Olive Sparrow                          |
| 2 Bl.-gr. Tan.                 | 5 Stripe-h. Sparrow <sup>inclusion</sup> |
| 6 Yell.-wi. Tan.               | 7 Lark Sparrow                           |
| 4 Crimson-coll. Tan.           |  |
| 1 Western Tan. <sup>Oat.</sup> |  |
| 1 <sup>+</sup> Buff-thr. Salt. |  |
| 3 Grayish Salt.                |  |
| 2 Bl. Head. Salt.              |  |

April 21, 1960 Tehuantepec, Oax.  
Thurs.

fair, clear 78° 6:00 - 12 M  
 wind S 4 PM - 7 PM

51,936.2 Tehuantepec <sup>sev. miles NW of</sup>  
 90° in hotel room

Worked around town, to Salina  
 Cruz. + NW. arid area, palm  
 dry ridge ocean front 89° - 8 PM <sup>over</sup>  
 ocean breeze during day, dies at night

1 Brown Pelican	Selin Cr.	1 Russet-cr. Motmot
70 Mag. Frigate-Bird		12 Gold.-gr. Waght.
300 Black Vulture		2 Ladder-b. Waght.
35 T. Vulture		15 Scissor-t. Fyg.
1 Roadside Hawk		60 Western Kingl.
5 Cr. Caracara		10 Gr. Kiskadee
10 C. Bobwhite		10 Pale-thr. Fyg.
1 L.-b. Curlew		1 W. Wood Pewee
130 Larga. Gull		- migrating N from coast
5000 Franklin Gull		6 Gray-br. Martin
1 Least Tern		1 Cliff Swallow
23 Royal Tern		1 Bank Swallow
60 Mourning Dove		W.h.-w. Dove - sev. thousand - flocks
W.h.-w. Dove - sev.	thousand - flocks	1 Tree Swallow
70 Inca Dove		40 Magpie-Jay
35 Com. Gr. Dove		8 Rufous-r. Wren
50 Orange-br. Parakeet		10 C. Mockingbird
5 White-fg. Parrot		2 Wh.-throed Gnat.
25 Gr.-bi. Ani		2 Ruf.-r. Gr. Cuckoo - heard calling.
2 Ruf.-r. Gr. Cuckoo	- heard calling.	1 Yellow W.
1 Lesser Road Runner		2 Yellow-wing, Cuckoo
1 Lesser Nightbird		

81

400<sup>+</sup>  
sw. hundred

Boat-t. Grackle	2 Cinnamon-t. Sp.
50 Bl.-thr. Oriole	
10 Orange-br. Bunting	
25 Fork Sparrow	
15 Stinger-headed Sp.	

April 22, 1960 Tehuantepec - OaxacaFriday

51,993.4

5:30 - 7:00 PM

fair, clear 81° wind southerly  
humid 104° in open car 10-30 mph.

quite hot in places - thru and  
mountains to 4000', then descent,  
then up to 6200' + down to Oaxaca  
at 5000' approx. A few streams  
with water - lush vegetation,  
palms, etc. Many cattle thru  
most of mountains.

150 Black Vulture

90 T. Vulture

1 Wh.-t. Hawk

1 Red-t. Hawk

2 Broad-w. Hawk

3 Roadside H.

4 Gray Hawk	1 Vermilion Flyc.
2 C. Black Hawk	6 Scissor-t. Flyc.
10 Cr. Caracara	6 Western Kingb.
1 Sparrow Hawk	3 Tropical Kingb.
1 Spotted Sandp.	1 Sulphur-b. Flyc.
130 Mourning Dove	5 Gr. Kiskadee
75 Wh.-w. Dove	12 Pale-thr. Flyc.
15 Inca Dove	1 W. Wood Pewee
30 C. Ground Dove	3 N. Beardless Flyc.
6 Wh.-tips. Dove	N&E on ground - road edge 45°
25 Orange-gr. Parakeet	8 <sup>+</sup> Rough-w. Sw.
25 Wh.-fronted Parrot	4 C. Raven
1 Squibbel Cuckoo	50 Magpie-Jay
12 Groove-bi. Ani	2 Bridled Titmouse
6 Rufous-r. Gr. Cuckoo	20 Rufous-n. Wren
9 Lsr. Nighthawk	1 Cactus Wren
5 Citreoline Trogon	1 Banded Wren
1 Russet-cr. Motmot	1 Cañon Wren
25 Gold-gr. Widge.	2 Curve-bi. Thr.
⑤ Pale-bi. Widge.	1 <del>Tropical Mock</del>
1 Ivory-bi. Widge.	5 C. Mockingbird
1 Black Phoebe	1 Swainson Thrush

5 Wh.-lind Gnat.	<del>2 W. Meadowlark</del> <sup>check song?</sup>
6 Loggerhead Shrike	25 Blue Grosbeak
2 Grace's Warbler	2 Varied Bunting
1 C. Yellowthroat	25 Orange-br. Bunting
1 Wilson's Warbler	2 Dickcissel
1 Rufous-capp. W.	10 House Finch
10+ House Sparrow	50 D.-br. Goldfinch
1 Yell.-wing. C. Wren	6 Brown Towhee
45 Bronzed Cowbird	1 Vesper Sp.
30 Boat-t. Grackle	25 Lark Sparrow
90 Black-thr. Oriole	8 Bridled Sparrow
1 C. Meadowlark	25 Cinnamon-t. Sp.
1 Lincoln Sp.	20 Chipping Sp.
	7 Clay-col. Sp.

April 23, 1960 Saturday Ciudad Juarez to  
cool, fair, clear - haze 11,900' on  
6:15 - 8 PM slope of Popo.

52, 164.1 hot, humid  
6307 fresh breeze - 8:30  
110° on floor in car 1430  
44° at 7:30 - 12,200' on Popo

sleeting at 9 PM had to put  
stars out too winter coat  
on

Beautiful pine & fir forests on  
steep 19 mile road up to volcano.  
Saw several rabbits in road.

Slight rain squibbles.

15 Bl. Vulture	R-wing Sw. 100+
25 T. Vulture	30 Barn Swallow
3 Wh.-t. Hawk	10 Com. Raven
2 Red-t. Hawk	1 Steller's Jay
10 Cr. Caracara	1 Wh.-br. Nuthatch
1 Sparrow Hawk	2 Rock Wren
2 Spotted Sordy.	<del>1 Canyon Wren</del>
15 Mourning Dove	10 Curve-bi. Thr.
2 Wh.-w. Dove	1 Com. Mockingb.
25 Inca Dove	2 Gray Silby-Fige.
30 C. Gr. Dove	12 Loggerhead Sh.
10 Gr.-bi. Ani	3 Yellow W.
25 Gold.-gr. Wdph.	1 Audubon W.
1 Black Phoebe	1 Hermit W.
7 Vermilion Flyc.	1 Townsend W.
10+ Cassin's Kinglet	1 Wilson's W.
2 Gr. Kinglet	10 House Sparrow
3 Horned Lark	400 Br. Cowbird

30 B.-tail. Grosbk.	2 C. Meadowlark
6 Bl.-thr. Oriole	3 W. Tanager
5 Red-w. Blb.	1 Bl.-h. Grosbeak
1 Varied Bunt.	10 Blue Grosbeak
35 House Finch	Wash.-b. Goldf. 5
25 Brown Towhee	85 Lark Sparrow
120 Chipping Sp.	1 Yell.-eyed Junco
3 Clay-col. Sp.	

April 24, 1960 Sunday V. Popo -  
to Mex. City

52,493.5 ft, partly cld, hazy

min. 37°

6 AM - 48°

6:00 AM - 3:45

showers (convectional) in valley & city  
Worked from camping spot 11,800'  
up to Popo (Tlamecas) and then north  
to slope of Ixta at about 12,300'.

Altho there are fine forests on west  
slopes, above 10,500-11,000' several  
thousand acres have been burned

recently, some pines, some grass areas. Also cows + horses have been allowed to graze in the saddle between the two peaks and on the high west slope - a sad sight indeed all this destruction in a national park.

A reflection on the lack of proper controls and also the poor sense of values in Mexico in regard to such things.

Fine pine + fir forests below to about 9500' where grazing + farmlands begin. Peaks were partly cloud covered, more so as day advanced.

1 Sh.-sh. Hawk	3 Red-sh. Flicker
1 Red-t. Hawk	2 Brown-b. Wdgph.
1 Sparrow H.	8 Violet-gr. Sw.
2 Wh.-eared Hummer.	1 C. Raven
2 Blue-thr. " 9800'	4 Steller's Jay

6 Gray-s. Chickadee	10 Western Bluebird
5 Pygmy Nuthatch	3 <sup>+</sup> Golden-cr. Kinglet
1 Brown Creeper	1 Ruby-cr. Kinglet
1 Brown-thr. Wren	4 Crescent-ch. Warbler <sup>9800'</sup>
4 Amer. Robin	8 Olive Warbler
1 Br.-b. Solitaire	40 Audubon's Warbler
1 Hermit Thrush	8 Townsend's Warbler
4 Russet N.-Thr.	3 Hermit Warbler
4 Wilson's Warbler	7 Red Warbler
4 Slate-thr. Redstart	2 <del>Ho</del> C. Meadowlark
1 Bl.-h. Grosb.	25 Pine Siskin
7 Rufous-s. Towhee	40 Striped Sparrow
	20 Yell-eyed Junco

April 25, <sup>1960</sup> Monday Mex. City  
6:30 - 10:00 - Chapultepec Park.

shopping, sightseeing  
fair, cool, pty cl.

15 <sup>+</sup> Bl.-cr. N.-Heron	1 Wh.-eared Hummer
1 Bl. Vulture	1 Ladder-b. Wdph. h
25 Inca Dove	4 Violet-gr. Swallow

10	Bushtit (Bl.-eared)	1	Virginia's Warbler
6	Bewick's Wren	1	Yellow Warbler
2	N. House Wren	12	Audubon's Warbler
1	Canon Wren	1	Ovenbird
1	Curve-bi. Thrasher	1	Mac Gillivray's W.
20	Amer. Robin	5	Wilson's Warbler
10	Rufous-b. Robin	30	House Sparrow
1	Hermit Thr.	35	Bronzed Cowbird
1	Ruby-cr. Kinglet	3	Hepatic Tan.
6	Hutton's Vireo	10	Bl.-head. Grosbeak
1	Warbling Vireo	4	Indigo Bunting
1	Bl. + Wh. Warbler	20	House Finch
6	Nashville W.	2	Bl.-headed Siskin
20	Chipping Sp.	6	Brown Towhee
		6	Lincoln Sparrow
		10	Song Sparrow

April 26, 1960 Tuesday Mex. City -  
 6:100 fair, cool Tehuacan  
 52, 56.1 N-NW wind 10-20  
 62°

A fairly cool day & clearer than usual until we descended to below 4000'. Small (5" long + hard) line agassiz along road - very cute. Also two thin + reddish brown snakes 3' approx. one dead, one we hit unavoidably (dusk). Gray-br. Wood-Wrens 25 mi. E road S. of Hgo - St. P. border in Pan Am. - 5200' about. Beautiful gorge & spectacular mts. view just north of above border at about 2000'. On road. 1 Bl.-t. Jackrabbit

1 ad. TYO

8 Pied-br. Grebe <sup>mr. Zimmon, Hgo.</sup> 3 Good-gr. Welfar.

Tur. Vulture 22 1 Rose-thr. Becard 5200'

10 Mour. Dove

30 Vermilion Flyc.

12 Inca Dove

1+ Cassin's Kingb.

2 C. Ground-Dove

2 Vermil.-cr. Flyc.

5 Wh.-Tip. Dove

1 Dusky-c. Flyc.

10 mind. Hummer.

1 Olive-cr. Flyc.

2 Emerald Toucanet

1 Tufted Flyc. 5000'

2 Horned Lark

15 Barn Swallow	2 Bl. + wh. Warbler
9 C. Raven <sup>nr.</sup> Zimapan	1 Nashville W.
2 Brown Jay 1000'	1 Bl.-thr. Gr. W.
3 Gray-br. Jay	1 Gray-cr. Yellowthr.
4 Cactus Wren	4 Wilson's W.
6 Spot-br. Wren	5 Gold.-br. Warbler
1 Bewick's Wren	60 House Sparrow
6 Gray-br. W.-Wren	30 Bronzed Cowbird
1 Cactus Wren	5 Boat-t. Grackle
6 C.-br. Thrasher	4 Scott's Oriole
4 Blue Mockingbird	<sup>a. edge 4-5000'</sup> (Santa Maria, Hidalgo.
3 C. Mockingbird	1 C. Meadowlark
8 Br.-b. Solitaire	3 Yell.-w. Tan.
1 Slate-col. Sol. <sup>3500'</sup>	4 Western Tan.
1 Hermit Thrush	4 C. Bush Tan.
5 R. Night-Thr.	2 Grayish Salt.
1 Ruby-cr. Kinglet	12 Blue Grosbeak
13 Gr. Siskin-Flyc.	1 Yell.-g. Grosbeak
8 Phainopepla	<sup>200</sup> <del>100</del> House Finch
33 Loggerhead Shr.	1 Wh.-coll. Seedeater
<del>Hutton's Vireo</del>	6 Bl.-h. Siskin

3 Ruf.-cap. Br.-F. 5000'	8 Lark Sparrow
1 Rufous-z. Towhee	1 Wh.-cr. Sparrow
60 Brown Towhee	2 Rusty Sparrow
2 Vesper Sp.	

April 27, 1960 Wed. <sup>(Quinta Chilla)</sup> Tamayachale  
52,800.2 to

6:00 AM - 3:30 PM El Salto

79° to dusk at ↑

cloudy, misty, drizzle, then out  
from under and pty cly, hazy  
and hot. - max. 99° in shade

wind S-SW 5-10<sup>+</sup> at 3:30 PM - El Salto

2 Bat Falcons in fast, spectacular  
flight with swifts above falls

2 P. Grebe <sup>R. after</sup>	1 Spotted Sandp. <sup>El Salto</sup>
3 P.-b. Grebe	4 Red-bi. Pigeon
3 Oliv. Cormorant	60 Mourning Dove
2 Gray Hawk	1 Wh.-w. Dove
2 Cr. Paracara	2 Inca Dove
2 Bat Falcon	4 P. Gr.-Dove
12 Pl. Chachalaca	1 Gray-h. Dove <sup>stream N</sup> of Tamay

200 Black Vulture  
20 T. Vulture

5 Military Macaw	20 Fish Crow	1st 12 mi. S of Valley SLP
20 Ind. Parakeets	25 Brown Jay	
8 " Parrots	2 Green Jay	
1 Squirrel Cuckoo	10 Spot-br. Wren	
6 Gr.-bi. Ani	2 C. Mockingbird	
200 Wh.-coll. Swift	6 Clay-col. Robin	
1 ♀ Gr.-br. Mango	60 <sup>nest</sup> Rio Antlia	
1 Green Kingf. - <sup>nest</sup> antlia	2 Wh.-e. Vireo	
3 Blue-cr. Martin	7 Yell.-gr. Vireo	
3 Gold.-gr. Wdgers.	1 Bl. + wh. Warbler <sup>after</sup>	
2 Banded Antshrike	1 Bl.-thr. Gr. W.	
6 Rose-thr. Becard	nest at <sup>1st</sup> Rio n. of Tamy.	
2 Masked Tityra	1 Wilson's W.	
1 Black Phoebe	1 Gold-cr. Warbler	
3 Tropical Kingb	4 <sup>+</sup> Br. Cowbird	
13 Piratic Flyc.	150 Boat-t. Gr.	
8 Boat-bi. Flyc.	35 Melod. Blb.	
35 Vermil.-cr. Flyc.	1 Balt. Oriole	
10 Gr. Kinglet	1 Orchard Oriole	
3 Gr.-br. Martin	15 Bl.-thr. Oriole	
2 C. Raven	6 Yell.-wi. Tan.	

2 Red-thr. A.-T.	1 Blue-bl. Grosq.
2+ Bl.-h. Saltator	6 Olive Sparrow
1 Com. Cardinal	1 Savanna Sp.
3 Varied Bunting	2 Lark Sp.
1 Yell.-g. Grosq.	
4 Wh.-coll. Seede.	

April 28, 1960 Thurs. El Salto  
 wind - E - SE. 76° <sup>somewhat</sup> ~~cooler today~~ to Victoria  
 52, 943.0 ~~89°~~ 5 PM <sup>2:00 PM</sup>  
 6:00 - 9:15 - birded at falls  
 along, showers, partial clearing,  
 then cloudy again, especially  
 through El Limón - El Naranjo  
 section - (Río Sabinas). High mts.  
 here are orographic barriers as road  
 cuts through range and there is no  
 obstruction to air flow from Gulf.  
 Found 1 1/2' + spiny <sup>tailed</sup> iguana. Road  
 (dirt) west to Com. Farías leaves  
 highway about 30 miles N of Monte

- |  |   |
|--|---|
| 1 Oliv. Cormorant <sup>20</sup> <del>Salts</del> | 2 Grove-bi. Ori                         |
| 1 <sup>+</sup> Green Heron } <del>Salts</del>    | 8 Lesser Nighthawk.                     |
| 5 Muscovy Duck                                   | 50 <sup>+</sup> Wh.-coll. Swift         |
| 2 Blue-w. Teal                                   | 1 Fawn-br. Hum. <sup>cs.</sup>          |
| 2 Roadside Hawk                                  | 3 Golden-gr. Wdgdr.                     |
| 2 Cr. Caracara                                   | 3 Ladder-b. Wdgdr.                      |
| 1 Bat Falcon <sup>cs.</sup> <del>Salts</del>     | 2 Masked Tityra                         |
| 15 Black Vulture                                 | 1 Scissor-T. Flyc. <sup>Victor</sup>    |
| 7 T. Vulture                                     | 5 Tropical Kingb.                       |
| 4 <sup>+</sup> Pl. Cuckoo                        | 1 Piratic Flyc.                         |
| 1 E. Bobwhite                                    | 6 Boat-bi. Flyc.                        |
| 1 Spotted Sang.                                  | 10 Vermil.-cr. Flyc.                    |
| 20 Red-bi. Pigeon                                | 3 Gr. Kingbird                          |
| 50 Mourning Dove                                 | 5 <sup>+</sup> R.-wi. Swallow           |
| 175 Wh.-w. Dove                                  | 7 Raven 3 <sup>almost</sup> cert. W-mch |
| 12 Inca Dove                                     | 75 Fish Crow                            |
| 1 C. Ground-Dove                                 | 25 Brown Jay                            |
| 3 Wh.-tip. Dove                                  | 2 Spot-b. Wren                          |
| 80 Green Parakeet                                | 2 Curv.-bi. Thr. <sup>8</sup>           |
| 15 Red-cr. Parrot                                | 1 Loggerhead Shr.                       |
| 5 Red-lored Parrot                               | 3 Wh.-e. Vireo                          |

88

10. Yell.-gr. Vireo	3 Yell.-thr. Euphonia
1 Bl. + wh. W.	2 Yell.-wi. Tan.
1 Trop. Parula W. S.	2 C. Cardinal
25 House Sp.	2 Pyrrhuloxia
30 Br. Cowbird	5 Blue Grosbeak
60 Boat-t. Gr.	<del>50</del> Wh.-coll. Seedeater
2 Brewer Blb. S.	1 Savannah Sp.
3 Bl.-headed Oriole	1 Grasshopper Sp. <sup>Victor</sup>
15 Bl.-thr. Oriole	3 Roadrunner
2 Red-wi. Blb.	

April 29, 1960 Friday C. Victoria to Harlingen  
wind S-SE 15-30

53,076.6 cool, cloudy 73°

6:00-8:30 clouds were in

evidence most of morning. - more clearing & sun in P.M. Crossing to U.S. very single, little inspection on Amer. side, none on Mexican side. Dairy Queen, milk, ice cream - oh boy!

lots of dead snakes on road side of Matamoros - Bull, Coral, Diamond-back, Rattlesnake

2 Oliv. Cormorant	1 Lsr. Yellowlegs
12 Com. Egret	2 Gtr. Yellowlegs
10 Snowy Egret	1 Solitary Sandp.
2 Glossy Ibis	1 Spotted Sandp.
9 Mottled Duck	8 Laughing G.
6 Blue-w. Teal	10 Red-br. Pigeon
15 <sup>+</sup> C. Pintail	300 Mourning Dove
10 <sup>+</sup> A. Widgeon	600 <sup>+</sup> Wh.-w. Dove
2 No. Shoveler	20 Inca Dove
5 <sup>+</sup> Tr. Scaup	3 C. Ground-Dove
50 mixed. ducks.	8 Green Parakeet
20 Bl. Vulture	4 mixed. parrots
45 T. Vulture	6 Gr.-bi. Ani
1 Wh.-t. Hawk	11 Gtr. Roadrunner
2 Gray H.	10 Lsr. Nighthawk
5 Bay-wi. Hawk	12 Gold.-g. Wdphs.
10 Cr. Caracara	1 Ladder-br. Wdphs.
3 Sparrow H.	30 Sc.-t. Flyc.
4 <sup>+</sup> Pl. Chachalaca	5 Trop. Kingb.
17 C. Bobwhite	2 Gr. Kiskadee
1 Killdeer	1 Br.-cr. Flyc.

10 Barn Sw.	4 Red-w. Blb.
35 Wh.-n. Raven	3 C. Meadowlark
100 Fish Crow	4 Pyrrhuloxia
20 Brown Jay	6 Blue Grosbeak
1 L.-bi. Thrasher	8 <sup>+</sup> C. Cardinal
5 Cune-bi. Thr.	1 <sup>+</sup> Varied Bunting
60 C. Mockingb.	2 Dickcissel
100 Br. Cowbird	2 Olive Sparrow
150 B.-t. Grackle	1 Savannah Sp.
2 Orchard O.	15 <sup>+</sup> Lark Sparrow
12 Bl.-thr. O.	

April 30, 1960 Saturday Harlingen

76° 53,310

to

6:00 - 4:45 PM

Houston, Tex.

off cloudy, warm, humid

Wind S-SW 5-10 then NE 20-40

cloudy, heavy rain, (Cognate Christi),  
thunderstorms, showers, wind.

Clearing by 5 PM at Houston.

Assisted thru large turtles across road.

1 snapping, one red-eared.

Blue-w. Teal	ser. Olive Cormorant
Gadwall	1 Cliff Swallow
Am. Widgeon	ser. W. Gull
17 Fulvous Tree-D.	3-4 mi. SW Bay City
2 Stilt S.	Is. Nighthawk
2 Bl.-n. Stilt	1 Ja. Heron
3 Long-bi. Curlew	Snowy Egrets
Gull-b. Tern	ser. Reddish Egrets
Least Tern	Corn. Egrets
Black Tern	ser. Bay-wi. Hawk
1 R. Turnstone	
2 Wh.-n. Sandp.	
12 Turkey - King Ranch	
Semi-p. S.	
Least S.	
Bonaparte's Tern	
ser. Black Skimmer	
Pyrphuloxys	
1 Wh.-t. Hawk	

90

May 1, 1960 Sun. Houston <sup>Tet.</sup>

53, 691.1

to Little Rock,

cool, fair, clear

Ark.

wind 5-15 W-NW-NE

(9 mi. SW)

57° remained cool + sunny  
all day 6:15-4:30

1 Pileated W. ghr.

25+ dead

sev. Wh.-eyed Vireos

armadillos  
many dead

sev. Prothonotary Warblers

possums  
on rd.

May 2, 1960 Mon. Little Rock

cool, cloudy (ptly).

to

54, 136.3

Clarksville, Tenn.

wind - N-NE

48°

6:15-4:15

May 3, 1960 Tues.

Clarksville

no wind

46° to

54, 494.

fair, cool

Delaware

6:15-5:00

clear

Ohio

May 4, 1960 Wed

Delaware,  
Ohio

Clear, fair, cool

To

54, 919.2

Buffalo, N.Y.

49° 6:15-4:00

55, 290 - end



3 / 3700 feet

5:20

1233 meter

V.S.M. 1764 meters - 5733

S.A.T. 360 meters / 550

ROBERT ANDRE

166  
3 / 500 2733  
12 / 68796  
17  
39

1764  
39  
15876  
5292  
68796

V?  
BAXIN

DR. HAROLD AXTELL

BAXIN  
CERRO  
from V.S.M.

plant on V.S.M.  
Carnados

50000 ft  
12 / 600,000

La Cueva  
Campes  
5280 / 50,000  
47600

TEPE JILOTTI 24800  
21020

Andrés Bixín

galms on V.S.M.

92  
New Bird Species  
for Life List in Mexico

March 7, 1960 →

- 1 Fawn-br. Hummingbird -
- 1 Violet Sabre-wing -
- 1 Collared Towhee -
- 4 Common Bush-Tanager -
- 3 Giant Cowbird -
- 2 Crimson-collared Tanager -
- 1 Golden-browed Warbler -
- 2 Slate-throated Redstart -
- 1 Brown-throated Wren -
- 1 Pale-billed Woodpecker -
- 1 Amazon Kingfisher -
- 1 Black-cowled Oriole -
- 1 Bright-rumped Attila -
- 1 Bananaquit -
- 1 White Hawk -
- 1 Olivaceous Woodcreeper -
- 2 Slate-colored Solitaire -
- 1 Double-toothed Kite -
- 2 Bar-tailed Trogon -

- 1 Chestnut-colored Woodpecker -
- 1 Tawny-winged Woodpecker -
- 1 Buff-throated Foliage-Gleaner -
- 2 ~~Blue~~ -backed Wren -
- 5 White-breasted Wood-Wren -
- 3 Gray-headed Tanager -
- 1 Chestnut-capped Bush-Finch (sp?) -
- 1 Long-tailed Hermit -
- 1 Southern House Wren -
- 1 Golden-Olive Woodpecker -
- 1 Blue-Black Grosbeak -
- 1 Blue-Gray Tanager -
- 1 Rufous-tailed Hummingbird -
- 1 Blue Bunting -
- 1 Gray-headed Greenlet -
- 1 Yellow-bellied Tyrannulet -
- 1 Blue-hooded Euphonia -
- 1 Green Shrike-Vireo -
- 4 Rufous-breasted Spinetail -
- 3 Piratic Flycatcher -
- 2 Yellow-tailed Oriole -

- 4 Short-billed Pigeon ✓  
 1 Scaled Antpitta -  
 1 Purplish-backed Quail-Dove -  
 1 Black-faced Anthrush -  
 4 Spot-crowned Woodcreeper -  
 5 Yellowish Flycatcher -  
 1 Eye-ringed Flatbill -  
 1+ White-bellied Emerald -  
 3+ Tawny-crowned Greenlet -  
 2 Ruddy Quail-Dove -  
 2 Gray-headed Dove -  
 14 Mississippi Kite -  
 ● 5 Stripe-headed Sparrow ! -  
 8+ Bridled Sparrow - )  
 3 Beardless Flycatcher -  
 at first 5 many years White-fronted Parrot -  
 6 Rufous-rumped Ground-Cuckoo -  
 2 Grace's Warbler -  
 2 Brown-barred Woodpecker -  
 1 Virginia's Warbler -  
 5+ Gray-br. Wood-Wren -

17 Fulvous Tree-Toad

76

Photographic Record

Kodachrome 16 mm

Date

Roll

Sequence

Subject + Locality

1/3/5

6-8 sec.

Dark Sparrows - 7 mi. north of Tula, Hgo.

10 sec.

B. &amp; T. Vulture

3/6

30-45 sec.

Coyote in trap fog, Atlix, Yuc.

3/6

10 sec.

Cranes

3/6

20 sec.

B. Vulture

3/6

25 sec.

Orcutt - Corp. Tern

3/7

10 sec.

Pyrrhuloxia s. of Matamoros

3/7

10 sec.

Harris Hawk

3/8

30 sec.

S. Madre Victoria

30 sec.

Caracara S.

2

25 sec.

Bl. Vulture El Encino

El Salto -

" bonia &amp; palms

3/9

Xilitla Rd.

Arpita R.

S. Madre 30 mi.

S. Madre s. of Tula

3/10

Roll 3

suet birds Lachuca

" "

Rio Tula, Hgo.

near Ismiquilpan

3/11

Bl. Vulture

Trop. Kingbird

verm.

ca.

1/2

Kod. 16mm

Roll + Date

Subject + Locality

3/13

gnd + Kiskadee  
+ palm etc.

n of Alvarado

Roadside Hard.

" "

3/14

Catenaco - Lake

"

Woman washing  
lake

"

lake

3/15

Oropendolas + nest

3/21

Giant Condor <sup>nr.</sup> Coyane

roll 4

San Bl. Vult - San Marcos

3/21

- woman washing - I. Cat.

3/23 Roll 5 + ancan sunrise over I. Cat.  
howler monkey mt.

3/23

- Roll 6

- Trogon, Santee. bay  
cut forest - Road (2)  
+ L. Cat.  
flowers, large cutting ants

3/23

Roll 7

- R. ground doves base area Ros Amato

3/24

forest + Aptell 1700

trogon bunnies

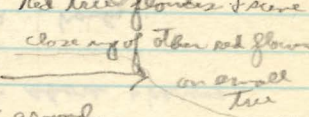
forest, large tree 1700

howlers

56

Kodak. 16 mm

3/24 Roll 8 1400 - large tree in forest  
clouds on mt. - Coyote Rd.  
Bronzed Cowbird  
Orange-crowned Flycatcher  
Laughing Falcon.

3/27 Roll 9 Laughing Falcon  
red tree flowers & scene  
close up of other red flower  
very close up of HPA & grounds  on small tree

3/28 - 2000' - view thru forest WNW  
close up of snake  
green lizard - large & small

Roll 10 - flower with banana leaves  
Verm.-cr. Flyc + Orchard Oriole  
1400 ft. Trail B - bamboo

3/30  
White Hawk  
Titmouse

Roll 11 3/4 BRF 1500' - NE base of Cerro

4/1 termite nest

L. Cat. - kids swimming  
Savory Egret

4/2 1500' flowers Spring Rd.  
coffee plants Red

1500 - trees - 2 Tall - chm. road 2

Roll 12 L. Cat. - shore + herons  
+

4/3 - from B-A house  
note clouds

S from B-A.

trouble - wanted sev. feet

Sciss: tail Egg.

4/4 B-A + mts. to NW.  
views.

4/5 interm forest 1500' trail A

same - L. Cat NW + mts to NW

4/6 Part Sp.

~~Go~~ Olive thr. Parakeets

4/6 Roll 13 - Sontec sign <sup>sign</sup> Parakeets  
+ south mts

96

Kod. 16 MM

Date

Subj.

Locat.

8/4/6

S. Andres - plaza, church  
road sign  
street  
market

4/7 White Hawk

4/7 view from B-A to NW - N + E

Roll 14

confield, destroyed forest  
cor - B-A - to NE

Swainson's Hawks

view to S + SW of B-A

4/8 views on trail from S. Andres,

Roll 15 of La Cueva + vegetation +  
forest above + to

Roll 16

summit. Views of crater

from both peaks on S. rim

Roll 17

views of us on peak

4/9 - V.S.M roll 17-22 (part)

4/10 "

4/12 - unil. hawk B-A

4/13 Roll 22 Keel-bi Toucan  
Str. Fgs.

Roll 23 - Harvel + green snake  
White Hawk

4/14 Franklin's Gulls

4/15 - Wh.-t. Kite clouds + ridge  
Grackle

4/20 last view lake + mts. <sup>thicket</sup>

Roll 25

Miss. Kite

views on Istama Rd.

Oaxaca - mts  
coast plain

Roll 26. Tehuantepec

Apr. 21 27 Salina Cruz.

Waggle Fly

Frigate-Bird

Roll 28

Roll 29

Wh.-gr. Dove

Apr. 22

Russet-cr. Motmot

Oaxaca rivers

Apr. 23 Roll 30

" "

L6

Roll 30 - Wh.-t Hawk imm.

Apr. 24. 31

Voleum Popo

etc. Jptan.

Apr. 26 Roll 32

Vermil. Eggs

Prickly pears

Raven

Cactus + mts.

Mr. Zamora, Hgo.

Apr. 27 Roll 33 - Tanager - views  
flowers

Roll 34 Macaws

Swifts

Apr. 28, 1960

Roll 35 - Still

Roadrunner

W-wh. Dove



Socorro Ortega de Vargas  
Playa Azul  
Catemaco, Ver.

*[Faint handwriting, likely bleed-through from the reverse side of the page.]*

66

Senor Andres Biepin

Segunda Calle

Adalberto Tejeda

San Andres

$$\begin{array}{r}
 10 \\
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40.00 nite

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35.00 - food

141.00

4.00 transp.

145.00

5.00 misc.

150.00 - U.S.

150.00 film

100.00 car

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20

380



001

Photographic RecordDateH. S. EktachromeRollFrameLocality + Subject

1 3/4

1

Swamp - Sabine R., Tex.

"

2

"

"

"

3/6

3

Coyote Log. Atascosa

"

4

"

"

"

"

5

Lab. Curlew " "

"

6

"

"

"

"

7

"

"

"

3/8

8

S. Madre O. Victoria

3/8

9

Caracara sq "

10

"

"

11

Roadside Hawk <sup>miss</sup> n. of <sup>miss</sup> ~~litter~~

12

Bl. Vult. Alt. Limon

3/9

13

Roadside H. - Valle

14

v. S. Moke <sup>30 mi.</sup> sq Jacala

15

sq Jacala

16

"

2

3/12

1

Hotel Balneario - Ver

2

Kiskadee - n. galvinao

3

"

"

"

4

Wh. - t. kite sq Alvar

H.S. Ectochroma - cont.

3/15 - Oropus nests  
Giant Conbirds

H.P.A. - banglow Coyune  
3/16 - Aptel termite nest  
1700' <sup>1 mi.</sup> NW of base area

3/17 Leaf cutting ants

3/18

3/19 - Road to Sontecomapan  
about 1400' - clouds, rain  
- 1500' - felled forest, mt. forest  
& Conbirds

3/20 1 B Mts + clouds during "Norte"  
from south - side. B-A  
1 of B-A from S  
1 of Sontec. rd + veg. - fog - 1400'

Bl. Vulture

3/21 V. S. M

Bl. Vulture

101

H.S.E.K.Roll 3

3/21 1 Gt. t. Grackle

1 Ani

3/22 2200' - forest howler slope  
bay - *Santumya*filled + destroyed forest  
leaf-cutting ants

Aptell

Cordile

termite nest + fig  
chocha palm

3/24 Large tree 1400'

3/25 ~~Roll 3~~ - 2 1500 - vine + forest  
howler monkey

flowering plant - 1400 + tree 1500

3/25 Roll 4 - bromeliad in tree 1600

1 wasted

3/26 Fes-de-Jarce 500'

Vio. ~~Salp. Salp.~~

+ 100'

La Palma  
Rt.

Roll 5 - beach site

snake close up

Roll 5 1000 Astell crossing stream  
3/29 1400' Trail B - bamboo

3/30 2000' - clouds + forest  
1900' - self picture  
1800' - Astell in forest  
R. Gr. Dove - B-A

3/31 1300' vine + leaves on tree

4/2 Roll 6 cogger + river Spring Trail  
1500'

L. Cat.

Coat & L. Grebe

L. Blue Heron

Grackles + veget.

Ring. King

Common

Song Eats

} paired

4/3 - L. Cat. + vorte - from B-A

4/4 Roll 6 Sc. Tail Fly.

Coyane - L. Cat.

Wh.-t. Kite

Br. Jay

201

H.S. E Kta.

4/4

4/6 Roll 6 Fam-br. Hummer. 3

Santiago rd. signs

4/6

San Andres rd. signs

4/7

B-A - car & to NE.

views from B-A to W, NW, N & NE

4/8

views of S. Andres

houses on trail

guide & Harold

La Cueva

, trail views.

above to 5300'

Roll 7 - Views of all of us on peaks  
& of vegetation.

Roll 8, 9 also of west rim, & crater 3

4/9

Roll 9

4/10

10, 11 - V. S. M.

4/20

Gray Hawk

Mr. Kite

& views on Isthmus

4/21

- Tehuantepec, Salinas Cruz.

Roll 12<sup>13</sup> - Frigate birds

Roll 12, 13  
4/22-23

Oafous views  
Gray Silky Figs

4/24

Pogo + Dita views  
camping place  
forest

4/26

- cactus + mts  
nr. Zimapan

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35 pieces + bag

*Constitution*

401

Photographic Record

Date Roll	Frame	Plus X Pan	Subject + Locality
1 3/6	1		Coyote Log. Otosani
"	2	"	" "
3/20	1	of mts. + B-A from S in "Norte"	
3/21	1	Bl. Vultures	
	1	feeding	
	1	" "	
3/22		2000' veg. forest howler slope bay of Santisima	
		stronger fig termite nest	
3/25		ser. of howler monkey 1 of pine + forest - 1500	
3/26		500' + 100' views La Palma Rd washed trees	
3/29		1400' Trail B - howlers	

3/30 - clouds turn forest 2000'  
Aptell + forest 1800

4/2 1500 Sp. Trac - coffee + forest

4/3 L. Cat. + note from B-A

4/7 minor W NW N + E from B-A

### Roll 2

4/2 La Conina,  
veget. + forest above  
rivers of us + guide  
of crater + peaks on S. rim

4/9 - V. SM

4/10 - " Roll 3